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- Stimulate your brain and increase mental fitness


## Timothy E. Parker <br> Senior crossword puzzle editor, USA Today Crosswords



# Brain Games FOR DUMMIES ${ }^{\circ}$ 

by Timothy E. Parker, with Joan Friedman

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## Brain Games For Dummies®

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## Introduction


#### Abstract

$\checkmark$ure, puzzles are fun. They're a great diversion when you're sitting on a plane or getting sneezed on in the waiting room at the doctor's office. And if enjoyment is your one and only reason for picking up this book, you'll get no argument from me. (After all, I enjoy a good puzzle myself!)


But here's the great news: This kind of fun is actually good for you. Specifically, it's good for your brain. So welcome to the mental gym, where the equipment is portable, your exercise area is private, and the afterworkout shower is completely optional.

## About This Book

I bet that when you were a kid, you didn't schedule physical exercise into your day. You kept your body strong by doing what felt natural: riding your bike, skipping rope, climbing trees . . . But these days, to stay in shape, chances are you're much more deliberate. You probably don't climb trees the way you used to, so you have to actively seek out exercise or accept that you'll be a little weaker and slower with each passing year.

The same goes for mental exercise: When you were young, you were bombarded with things that stimulated your brain, even when you weren't sitting in a classroom. Every time you learned a new song, played a new board game, or tried a new sport, you gave your brain the stimulation it needed to stay sharp.

Maybe you have a job that gives you ample mental stimulation and helps keep your brain in the game. But not everyone is so lucky. Adults are often rewarded for repetition - not for trying new things. We have to perform consistently at work, create routines for our families, tackle the same household chores again and again . . . and our brains feel the effects by getting just a little weaker and slower with each passing year.

That's where mental exercise comes in. Countless articles, books, and Web sites are now devoted to the idea that if you don't want to lose it ("it" being your mental sharpness), you'd better use it ("it" being your brain). And sure, you could give your gray matter a decent workout by dusting off that anthology of 19th-century literature that's been sitting on your shelf since college, but doesn't a puzzle sound like more fun?

That's why I created this book: to give your brain a challenge you'll really enjoy, so you can get on the path to greater mental fitness and truly enjoy the workout.

## Conventions Used in This Book

In a couple of chapters, especially in the Part of Tens, I include a handful of Web site addresses so you can explore additional resources if you'd like. The Web addresses appear in monofont, which makes them easier to locate if you want to go back and find them after you're done reading.

Keep in mind that when this book was printed, some Web addresses may have needed to break across two lines of text. If that happened, rest assured that I didn't put in any extra characters (such as hyphens) to indicate the break.

So, when using one of these Web addresses, just type in exactly what you see in this book, pretending as though the line break doesn't exist.

## What You're Not to Read

If you're in a hurry to get to the puzzles and already know how to do them, you can skip over the chapters in Part I (of course, I hope you'll read every bit of this book, but I won't make you promise to go back and read them later). If you do read the Part I chapters, you don't have to read the text preceded by the Tip icon in order to understand the subject at hand. You'll also see sidebars, text in gray boxes. Sidebars are merely asides; the information is interesting but not critical to the text. You can safely skip it.

## Foolish Assumptions

I try not to make any assumptions about how much experience you have with working the types of puzzles that appear in this book. That's why I include the chapters in Part I, which help you get familiar with each type of puzzle and how to solve them. That's also why I include puzzles of varying levels of difficulty throughout the book. Whether you're a novice or an expert at sudoku, you'll find puzzles to give you the challenge you need. The same goes for crosswords, cryptograms, and the other types of puzzles I include here.

My only assumption is that you want to have fun and stimulate your brain at the same time. Oh, and that you bring two critical tools with you: pencils and patience!

## 4 Brain Games For Dummies

## How This Book Is Organized

The bulk of this book is devoted to what you came looking for: puzzles (and their answers). But in case one or more of these puzzle types are new to you, I first spend some time explaining each and suggesting some strategies for working them.

## Part 1: Preparing Your Puzzle Strategies

My first task in this part is to introduce you to the reasons for spending some quality time with this book. I explore what recent research says about the importance of mental exercise and the impact it can have on your cognitive abilities - including your memory - as you age.

I then introduce each type of puzzle that appears in this book and provide tips for solving it. From crosswords and word games to Sudoku and logic puzzles, I help you prepare for the workout that's coming.

## Part 11: Getting a Complete Puzzle Workout

Here's what you've been waiting for: the puzzles themselves. For each type of puzzle, I offer various levels of difficulty; the easier puzzles come first, followed by fairly tough puzzles, and then by downright treacherous ones - the kind that will keep you awake until the wee hours, cursing my name!

## Part 111: The Payoff: Checking Your Answers

Pretty please, no matter how much you're tempted, don't look at this part until you've spent some quality time with Part II. Think of it as exercising your willpower at the same time you're pumping those brain cells.

## Part IV: The Part of Tens

I include two chapters in this part: one that introduces ten types of puzzles not featured in this book that you may want to check out, and one that offers ten strategies for becoming the best puzzler you can be.

## Icons Used in This Book

In the Part I chapters, you'll notice two icons in the margins that help you navigate the text:

When you see this icon, know that the text next to it contains a helpful hint for solving puzzles.

This icon points out information that you want to tuck into your mental filing cabinet - it's worth holding on to.

## Where to Go from Here

That depends entirely on you. If you're new to the world of puzzling, I recommend that you cozy up with the chapters in Part I before putting pencil to paper. If you're
already a puzzling pro and picked up this book knowing exactly how to tackle each type of puzzle included here, feel free to jump directly into the good stuff: the puzzles themselves in Part II.

My only rule is that you can't go directly to Part III! But I assume that because you've taken the time to read this Introduction, you're not going to spoil your fun by looking at the answers before making an earnest effort to solve the puzzles yourself. After all, the effort is the whole point: Your brain will thank you for it.

# Part 1 <br> Preparing Your Puzzle Strategies 

The 5th Wave By Rich Tennant
orkhIEENNANT

"Well, Mr. Humphrey, it appears that working on puzzies for hours on end certainly DOES have some side effects."

## In this part . . .

1n Chapter 1, I introduce you to the myriad reasons for scheduling some quality puzzle time into your day. You can fight mental flab by doing something that you enjoy anyway - what could be better?

The remaining two chapters in this part introduce you to each type of puzzle featured in this book. Each chapter contains tips and strategies so you can hit the ground running when you crack open Part II.

## Chapter 1

## Puzzling for Your Health

## In This Chapter

Taking a peek inside your brain
Storing up ammunition against Alzheimer's
Getting your body and mind in tip-top shape
Choosing your puzzle poison

Be honest: Do you feel as mentally sharp today as you did when you were 20? (If you're 20 now, or even younger, indulge me for a moment while I address your elders.) Can you retain information as easily as you did at that age? Or do you suspect that you don't learn as quickly as you once did, and worry about occasional fuzzy moments when you can't recall things that used to be second nature?

If you're in the "fuzzy" category, even on rare occasions, you may feel a bit anxious about the changes that seem to be taking place in your brain. And you may wonder what, if anything, you can do about them. I suspect that may be why you're reading this chapter right now, as opposed to jumping straight into Part II of this book and trying your hand at the puzzle of your choice.


#### Abstract

As an isolated activity, working a crossword puzzle or untangling a word scramble may not dramatically change anyone's cognitive ability. But combined with other lifestyle changes, working puzzles - or doing other types of mentally stimulating activities - may have profound long-term effects on memory and overall cognitive ability. That's why I devote this first chapter to the big picture of working puzzles: why they're potentially beneficial, and what else you can do to try to recapture your twenties (if only in your mind!).


## Pumping Up Your Synapses

You may suspect that I'm the one who needs some mental help, writing about synapses in a puzzle book. But bear with me - I'll try to demonstrate that I haven't gone around the bend.

On the off chance that you aren't a neurologist, let me start with a couple definitions. Neurons are cells that control your central nervous system: your brain and spinal column, and the nerves connected to them. Synapses are tiny gaps between the neurons in your brain. When synapses are working correctly, they allow your neurons to communicate with each other, which keeps your nervous system functioning the way it should.

Your nervous system must function properly in order for you to learn new things, retain information, and use your powers of logic and reason.

You're feeling some love for your synapses now, aren't you?
You have about 100 billion neurons in your brain. And you have literally trillions of synapses - possibly even a quadrillion (that's a 1 followed by 15 zeroes). It sure
seems like you have plenty to spare, but as you age, your synapses deteriorate. And because your brain activity takes place courtesy of synapses, their deterioration equates to a decrease in your brain function, including memory.

The take-home lesson here is that if you want your mind to live to a ripe old age, you need to do more than just take care of your body (although that's crucial too, as I explain later in this chapter). You need to keep your synapses in top condition. How do you do that? Keep reading!

## Building a Cognitive Reserve

In the late 1980s, a study published in the Annals of Neurology raised questions about why some people develop symptoms of Alzheimer's disease and some don't. Autopsies were conducted on 137 former nursinghome patients. As expected, the brains of those who had demonstrated symptoms of Alzheimer's were filled with plaques (brain deposits made up of dead cells and proteins) and tangles (nerve cells that had become tangled together) - characteristic physical signs associated with the disease.

Here's the unexpected part: The brains of ten patients who didn't show any symptoms of Alzheimer's contained the same level of plaques and tangles. If the physical reasons for the disease were present in those people, why didn't they get the symptoms?

There was another twist as well: The ten patients in question had heavier brains and more neurons than they should have given their age.

What made these ten people different from their peers?
As a result of this study, a new theory emerged: the cognitive reserve theory. It essentially says that people who have a larger reserve of neurons and stronger cognitive abilities can tolerate some brain deterioration without showing symptoms. In other words, the more you use your brain, the greater your chances of avoiding symptoms of Alzheimer's.

Strong stuff, huh?
Obviously, no one is offering guarantees here. I can't promise that anything I suggest in this book will add X number of years to your life, and that those years will be free of any symptoms of memory loss or other mental decline. But study after study in the past two decades has shown that mental activity can - and often does - have a positive effect on your quality of life in the long run, and I can't argue with that.

How do you build a cognitive reserve? The same way that you keep your synapses happy and healthy. Keep reading the following section offers specific suggestions.

## Taking a Whole-Body Approach to Brain Health

The great news about the steps you can take to improve your chances of long-term cognitive health is that many of them are the same steps you take to keep your body healthy. You need to add just a couple items to a list that's probably already familiar. And the new items are fun - promise.

Here's the familiar stuff:
$\checkmark$ Reduce stress. If you've heard this advice from your doctor in relation to a physical condition, you now have double the reason to heed it. Research shows that stress causes synapses to malfunction.

Long-term stress can cause a neurotransmitter (a chemical that carries messages between nerve cells) called glutamate to build up in your synapses. If enough of it accumulates, it can become toxic and interfere with your memory and your ability to learn.
$\checkmark$ Get aerobic exercise. Aerobic exercise can help you manage and resist stress, which is enough reason to make it part of your daily routine. But among its many other benefits, studies suggest that it stimulates the creation of new neurons and strengthens the connections between them.
$\checkmark$ Eat a diet rich in antioxidant foods. If your physical health alone hasn't inspired you to stock up on blueberries and spinach, do so for your mental health. Foods rich in antioxidants may help counteract effects of free radicals in your brain. (Free radicals are molecules that contain oxygen that attack cells throughout your body. They have been linked to cancer and heart disease, as well as brain deterioration.)
$\checkmark$ Control high blood pressure and diabetes. A study published in the journal Neurology in 2001 showed that the mental abilities of participants with high blood pressure or diabetes declined more rapidly than those of other participants. High blood pressure is a risk factor for a condition called vascular dementia, in which a series of tiny strokes can affect memory and other cognitive abilities.

Early diagnosis and tight control of these conditions may help prevent some of the ill effects on your cognitive health.

Ready for the steps that may be new on your to-do list?

> Get lots of mental stimulation. Ahhh, this is where the puzzles come in - finally!

You may be hard-pressed to find a scientist who would claim to know exactly how much mental stimulation the average adult of a certain age needs, or what types of mental activities are best for a certain population. The science is fairly young, and I guarantee you'll hear a lot more about it in the years to come. But the general consensus is this: Mental stimulation of any kind can have positive effects on warding off memory problems and other declines in cognitive function. And lack of stimulation is a serious factor in mental decline.

So, how should you use your brain to get the maximum results? Only you can answer that question. That's because whatever you do, it has to be enjoyable enough to truly stimulate you and to keep you coming back for more, day after day. We're talking about running a mental marathon here - not winning a sprint. So you have my permission to read War and Peace or pull out your old calculus textbook, but only if thats what you really want. Otherwise, I suggest you look for other types of activities that will keep you interested in the long term. (Anyone for Sudoku?)

The bottom line: If there's a hobby you love that you haven't made time for in years, make time for it. If there's an activity you've been meaning to do but have put on the back burner because it seems less important than folding laundry, do it. If there's a
subject you've been curious about for ages but haven't had time to study, study it. And if anyone (including your conscience) pesters you about how you're spending your time, memorize your new mantra: My brain needs me.
$\checkmark$ Stay curious. This is an extension of the previous point. If you've buried your curiosity about the world around you because you haven't had time to explore it since childhood, now's the time - no matter how old you are or what your life circumstances are - to rediscover how curiosity feels.

Whatever activities you choose to help keep your brain stimulated, you need to enjoy them enough to do them regularly. You can't get your body fit by working out three hours in a row and then ignoring your health altogether for two weeks (because you're so sore from the marathon workout that you can't move for the first five days!). You benefit much more from working out consistently for shorter amounts of time - for example, every day for 30 minutes, or four days a week for 45 minutes each time.

The same seems to be true of mental exercise. Your goal should be to make time for mental stimulation at least several days a week, if not every day. If you can't devote time to working a crossword every day, no problem. But don't let a month go by between mental workouts. You have to invest the time if you want the results (see the sidebar "A puzzle constructor's dream").

## A puzzler constructor's dream

An article published in The New England Journal of Medicine in 2002 reports on potential connections between leisure activities and the risk of dementia. Here's a quote:

Participation in leisure activities is associated with a reduced risk of development of dementia, both Alzheimer's disease and vascular dementia. The reduction in risk is related to the frequency of participation. According to our models, for example, elderly persons who did crossword puzzles four days a week . . . had a risk of dementia that was 47 percent lower than that among subjects who did puzzles once a week...

Now, I swear I did not author this study! But I will tout it gladly to support the idea that spending quality time with this book, The New York Times, or any other source of quality crosswords may pay valuable dividends.

## Chapter 2

# Playing with Letters and Words: Logic and Word Puzzles, Riddles, and Crosswords 

## In This Chapter

$>$ Rediscovering good learning habits

- Tapping helpful resources
$>$ Employing tips and strategies


#### Abstract

Ome people adore puzzles that allow them to play with words: Crosswords, logic puzzles, riddles, word searches, word scrambles . . . They just seem to have the knack for solving them. Others don't have the knack and wouldn't recognize it if it smacked them in the forehead.


So, how do you get the knack? If you want to be able to look a puzzle squarely in the face and say, "You're not keeping me awake tonight!" what can you do (other than keep the answers handy)?

Many of us started working puzzles in elementary school, when our teachers had us fill in puzzles that reinforced our spelling, reading, science, or social studies lessons of
the day. Chances are you've been familiar with the structure of most of these puzzles for a long time, and you've probably had at least some experience working them.

But that doesn't necessarily mean you're comfortable with them. In fact, you may feel downright nervous when you sit down to work a crossword these days. After all, what better way is there to test how much knowledge you've accumulated - and retained - over the years? And what better way to feel like a complete moron than to find yourself staring blankly at clue after clue?

Maybe you've long avoided some of these puzzles precisely because they point out how much you don't know. And maybe you're now ready to overcome your fears. As I point out in Chapter 1, the benefits of working puzzles are potentially great. Plus, they're a lot of fun - after you get past the fear and frustration.

## Getting Logical

Logic puzzles can take a variety of forms. They may involve words, numbers, or images, and - like all puzzles - they may be fairly easy to solve or extremely difficult.

Preparing to solve logic puzzles isn't like preparing to solve a crossword (see earlier in this chapter) or sudoku puzzle (see Chapter 3). You don't need to understand how the puzzle is constructed or what the rules are. You don't have many specific strategies to consider. However, you should keep the following in mind:

|
As with other puzzle types, each logic puzzle has a unique answer. The puzzle constructor doesn't intend for you to be able to solve one puzzle in multiple ways.
$\checkmark$ In many cases, the person writing the puzzle is intentionally veiling the answer. The way the puzzle is written may be deceptive to some degree - the degree of deception being one determinant of its level of difficulty.

Logic puzzles are a varied lot. You'll likely find that some answers spring to mind as soon as you've read the puzzle - your own logic will make them seem obvious to you. But others will be much more diabolical.

If you spend a good amount of time studying one puzzle and just can't seem to figure it out, walk away and come back later. A fresh look may be your best bet, or you may want to enlist help from a friend or family member.

Another thing to keep in mind is that the more puzzles you solve that are written by the same puzzle constructor, the better your chances of figuring out whether (and how) that person is trying to deceive you.

For that reason, I encourage you to start with the easy logic puzzles in Part II, even if you don't find them very challenging. They give you a sense of who I am and how I write logic puzzles. That information may help you when you reach the toughest of the tough. By that point, you may have some insights regarding my use of language and my thought processes.

I also encourage you to keep the answer pages closed until you've given each puzzle a good effort. You want the best workout your mind can get, and sometimes that means allowing for frustration.

## Fiddling with Riddles

If logic puzzles appeal to you, riddles likely will as well. These two types of puzzles are close cousins, but riddles are often shorter than logic puzzles and involve plays on language. For example,

What becomes larger the more you take away from it, and smaller the more you add to it?

The answer is a hole in the ground. The reason this riddle works is because it forces you to think in a new way - to realize that not everything gets larger when you add to it.

As with logic puzzles and other puzzle types, each riddle should have just one unique answer. If you can think of two or more reasonable answers to the same riddle, chances are you've outwitted the puzzle constructor!

Riddles are a great way to introduce kids to the joy of playing with language. And for adults, they're a great way to keep the mental gears cranking even when you have only a short time each day to devote to puzzling.

## Decoding Cryptograms

Cryptograms are more complicated than word searches and word scrambles, and they'll almost certainly require more of your time. But solving a cryptogram is really satisfying - it makes you feel like a master detective - so the extra time is well worth it.

A cryptogram is a sentence or phrase that's encrypted or enciphered. What does that mean? Each letter has been
substituted with a different letter. (In some cases, nonletter characters - such as numbers - are used as substitutions as well, but in this book I use only letters.) So within the sentence or phrase, for example, every A may be replaced with an N , and every S replaced with a P. In order to figure out what the sentence or phrase says, you have to figure out each substitution - not an easy task!

I'll be honest: Even with the following strategies in mind, sometimes solving a cryptogram is tough. Your best bet is often just to make guesses and see what sticks. But the tips I offer here should at least help you refine your guesses!
$\checkmark$ Use a pencil. Because you're bound to be making guesses at least some of the time, you want the ability to erase and guess again if you discover you've made a mistake. And keep scrap paper close by!
$\checkmark$ Know this: No letter substitutes as itself in a cryptogram. The puzzle constructor won't try to trick you by using an A to represent an A, for example.
$\checkmark$ Know this also: Only one solution is possible for a cryptogram. Part of the puzzle constructor's job is to make sure the sentence or phrase is long enough that the solution must be unique. In other words, you can't come up with two or more logical solutions to the same puzzle.
$\checkmark$ If a hint is provided, look at it first. In this book, I offer hints that indicate, for example, how often a certain letter appears or where you may find a certain letter (at the start or end of a word).

Other puzzle constructors may give you a different type of hint. For example, a hint may be a phrase that's only partly encrypted, such as MICKEY PRTIN. When you figure out that PRTIN represents MOUSE, you then look for instances within the encrypted sentence or phrase where you can substitute M for $\mathrm{P}, \mathrm{O}$ for R , and so on.

In other cases, the puzzle constructor may show you a few letters in the solution itself.

Your next step is to look for one-letter words (if there are any), which have to be either I or A. (You could find an instance of a single-letter word being O, but that's pretty rare.)
$\checkmark$ Two- and three-letter words should be your next targets. Consider common two-letter words such as an, as, at, by, in, is, it, no, of, on, or, so, and to. Frequently used three-letter words are and, but, for, the, and you.

If you see an apostrophe in the encrypted text, you can guess that what follows it is an S or T . ( D is also possible, but contractions such as he'd, they'd, and we'd aren't that common.) If you see more than one instance of an apostrophe, and the letters before and after each apostrophe are the same, you can guess that you're looking at an N before each apostrophe and a T after it. (Think can't, don't, and won't.) If you don't see that repetition before and after multiple apostrophes, you're likely looking at possessives (ending in S).
$\checkmark$ Double letters are also good places to focus. For example, say you see RR in an encrypted word. You may not immediately know whether you're looking at an ll, an ee, an ss, or some other double-letter combination, but you can guess that $R$ doesn't substitute for letters that aren't commonly doubled (such as A, I, H, Q, and U).

You can also consider how frequently each letter appears in the cryptogram. You can assume that if you see a letter only once, for example, it's probably not an E, T, A, O, or N .


But going much deeper with frequency analysis (considering how often certain letters typically appear in the English language and comparing that with how often the encrypted letters appear) is pretty complex stuff and may suck the fun out of solving the puzzle. My hope is that the tips in the bulleted list help you solve a handful of letters, which in turn help you make educated guesses about a few of the words, which give you solutions to more encrypted letters, and so on.

If you get stuck, make some guesses based on what you've figured out so far. And walk away if you need to it's better to come back to the puzzle with fresh eyes later than to get frustrated!

## Straightening Out Word Scrambles

You can play word scramble puzzles in various ways, including the following:
$\checkmark$ You look at a group of letters placed in random order and rearrange them into one word, using every letter. The words to be rearranged may be rather short - between five and eight characters. For example, unscramble the capitalized word in quotations to solve this riddle:

> Where a sauce may "THICKEN":
> Unscrambling words of this length isn't usually very difficult (although I won't dare suggest that you'll never get stuck!). The answer to this riddle, by the way, is kitchen.

The difficulty increases along with the number of letters and words involved. For example, try to solve this one:

Where's a good place to see a "SCHOOL MASTER"?

The answer is the classroom.
$\checkmark$ You solve several word scrambles similar to those I describe in the previous bullet, and you then take a second step. Certain characters in those words are circled, and by using only the circled letters, you solve one more scramble: You rearrange them to create a word or phrase that answers a clue given by the puzzle constructor.

In this step, you're likely dealing with quite a few characters, and you're often creating more than one word. As with the examples shown in the previous bullet, the puzzle constructor usually provides blanks that show how many words are in the solution and how many characters are in each.
$\checkmark$ You look at a group of letters and try to create as many words as possible from them. You don't have to use every letter in every word you create. For example, if you're given eight letters, you can create words with three letters, four letters, and so on. The goal is to make as many words as possible, and the puzzle constructor may tell you how many words you're aiming for. The puzzle constructor may also set certain rules, such as "No two-letter words."

The strategies for approaching word scrambles are pretty straightforward:
$\checkmark$ If you're working on a series of jumbled words, look at each one in turn to see whether any words jump out at you. You'll be amazed by how quickly you can solve some scrambles; our minds seem built for this type of task.

When an answer doesn't jump out at you, try writing the letters in a different order. Don't worry about creating a word right away - just putting them in a new order may trigger that "aha!" moment you're looking for.
$\checkmark$ If the "aha!" remains elusive, try grouping together letters in what seems to be a logical way. Consider how many vowels you have; if you have twice as many consonants as vowels, chances are the word begins with a consonant. Try putting together common groupings such as ing, sh, or th.

Keep rearranging letters as long as it takes to find what you're looking for. Eventually, you'll stumble onto a combination that makes sense.
$\checkmark$ If you're playing the last type of scramble that I describe in the previous bulleted list, be sure to look for words that can be pulled directly from within the words you've already created. For example, if you've written down player, be sure to also write down play, lay, and layer. You can also write down pay, per, year, reap, and so on, but the point is to notice the words that are already spelled out, in order, within the longer words you've created - they're your easiest finds.

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## Relaxing with Word Searches

As with crossword puzzles, you were probably introduced to word searches early in life. Most people work them in elementary school to reinforce their spelling and vocabulary lessons.

In case you've never seen one before, a word search is simply a grid of letters - in a square or rectangular shape - that contains hidden words. Your goal is to find and circle the words, which may appear horizontally, vertically, or diagonally within the grid. Some words may be written backward. Some word searches are constructed around a central theme, which means all the words you're finding are related to one topic.

How do you know what words to look for? The puzzle constructor usually provides a list - that's the case in this book. You may encounter word searches that don't provide a word list, in which case the puzzle constructor tells you how many words you're looking for (and whether they all relate to a certain theme). Those searches are more challenging, of course.

The puzzle constructor may let you know that the word search contains a hidden message (related to the theme, if the puzzle has one), which you discover only after circling all the words. To find the message, you identify, in order, all the letters you haven't circled. The letters form words that spell out the secret message.

The thing I love about word searches is they're really lowstress. If a word list is provided, I guarantee you can complete the search - no matter how large the grid or how many words you're looking for. How often in life do you get the satisfaction of knowing you're going to get the
right answers? That fact, in itself, makes working word searches fun. Plus, they're great for increasing your concentration and blocking out the world for a while.

## Tackling the Crossword Grid

If you really love crossword puzzles and want to learn more about tips on solving them and even how they're made, I highly recommend checking out Crossword Puzzle Challenges For Dummies (Wiley). Right now, though, I'm going help you get started on the fun part of a crossword puzzle: Filling in the blanks! Where to begin? Here are my suggestions:
$\checkmark$ Use a pencil rather than a pen. Some people will disagree with me, insisting that working in pen is the only way to go. But until you get truly comfortable at working crosswords, don't give yourself a reason to stress about mistakes!
$\checkmark$ Read through the clues one by one and answer those that seem obvious. Even in the toughest puzzle, you're likely to find at least a handful of clues you can answer immediately.
$\checkmark$ After you fill in the easy answers, go back and see whether any of the letters you've written down help you solve any of the other, less-obvious clues.

Take your time with this step, and don't get frustrated if answers don't jump to mind immediately. You're still getting familiar with the puzzle constructor's phrasing at this point. It's almost as if he or she has written clues in a dialect that's new to you; the more time you spend reading them, the better you'll be able to interpret what's being asked.
$\checkmark$ If the crossword has a theme, try to determine whether every clue seems related to it. If not, see whether you can identify the clues that relate directly to it, and work on those answers.
$\checkmark$ If you're willing to use outside resources, identify clues that fall into the "Trivia" category. They're often the easiest to solve by consulting a Web site or other resource.
$\checkmark$ Look for clues written as plurals, and consider penciling in an $S$ at the end of each grid entry. You may end up erasing some of them (because plurals can be formed in other ways, of course - consider geese), but that's why you're using a pencil!
$\checkmark$ If you find yourself feeling stuck, step away from the puzzle and go back to it with fresh eyes later. You may want to work multiple puzzles at the same time for this reason. When you're stumped on one, start a new one. By doing so, you expose yourself to various styles of clue phrasing, you start to notice that certain words (especially short ones) appear in lots of crossword puzzles (even though the clues differ from puzzle to puzzle), and you build your confidence.

And don't forget: It can be fun to bring your family members or friends into the mix. If you're truly stumped, give a tough clue to someone else to chew on for a while.

## Chapter 3

# Fun with Numbers: Taking On Suuoku 

## In This Chapter

$>$ Joining the phenomenon
$>$ Grasping the basics
$>$ Using more advanced techniques


#### Abstract

olving a Sudoku puzzle requires a different kind of mental workout than solving a crossword puzzle or a word scramble. The breadth of your vocabulary and depth of your factual knowledge are pretty much irrelevant here - logic and diligence are the keys to success.


In this chapter, I introduce basic strategies for working a Sudoku puzzle, before turning you loose in Part II.

## Jumping into the Sudoku Craze

I assume you haven't been living in isolation for the past few years, so you're aware that Sudoku has gained the kind of popularity that Rubik's Cube had once upon a
time. In describing it, many people use the word "addictive," so I suppose I should warn you that after you get started, you may find yourself spending many hours playing these puzzles.

What's the appeal? It may be the deceptive simplicity of the Sudoku grid or the fact that, at its most basic, Sudoku requires only that you know how to count to nine. You don't need to gather any resources before putting pencil to paper, and you aren't testing your recall of words and facts you learned many moons ago.

But, of course, solving a Sudoku puzzle isn't actually simple. In fact, it can be downright mystifying when you get into the toughest level of puzzles, which some puzzle constructors label killer, extreme, or treacherous. I include some of these puzzles in Part II to make absolutely certain you won't accuse me of taking it easy on you!

Although this chapter covers the basic strategies you can apply to solving any level of Sudoku puzzle, you may want to use more advanced strategies if you decide to tackle the treacherous breed. In that case, I recommend consulting another resource, such as Extreme Sudoku For Dummies (Wiley). You can also type "killer Sudoku," "advanced Sudoku," or some other variation into your favorite search engine and locate playing tips online.

By the way, do you know what Sudoku means? $S u$ is the Japanese word for "number," and doku means something like "single." So the name roughly translates to single number. If you've never worked a Sudoku before, you'll find out in the next section why the name makes perfect sense.

## Applying Strategies

I provide two layers of strategies in this section: very basic ones and slightly more advanced ones. As I mention in the previous section, lots of additional strategies exist, but they're applicable mostly to the truly diabolical puzzles, and I don't have enough room to cover them adequately here. If you find yourself outgrowing the approaches I suggest, you can easily locate other resources that can guide you to the next level of Sudoku mastery.

## Getting started

Here's the least you need to know to get going with sudoku:
$\checkmark$ The basic Sudoku puzzle is a 9-x-9 grid; it contains nine rows and nine columns, and it's divided into nine 3 -x- 3 grids or boxes. (Tougher puzzles may be $12-\mathrm{x}-12$ or 16 -x-16 grids, but I don't include these sizes in this book. I do include some circular or target Sudokus, which I discuss at the end of the chapter.)
$\checkmark$ Your job is to make sure that each row, column, and 3 -x- 3 box in the puzzle contains the numbers 1 through 9. If you do your job correctly, each of these numbers can appear only once in each row, column, and $3-x-3$ box.
$\checkmark$ Each puzzle has a unique solution; you can't solve it in more than one way.

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 Part I: Preparing Your Puzzle Strategies$\checkmark$ The puzzle constructor's task is to get you started with just a handful of numbers in the grid - enough so you have adequate information to solve the puzzle. The difficulty of each puzzle depends on how many numbers are provided and where they're placed.
$\checkmark$ When you start a puzzle, your goal is to locate one or more blank cells for which you can identify only one number that works. In other words, you're looking for definite answers - spaces where the numbers provided for a certain row, column, and 3-x-3 box offer enough information that you can eliminate every possibility except one.

For example, you may find a space in a row that already contains the numbers 2,5 , and 6 . The same space may fall in a column that contains 1,4 , and 9 . And the 3 -x- 3 box that houses the space may already have the numbers 3 and 8 in it. When you combine all those clues, you realize that only the number 7 can go in that space. It's a definite answer - precisely what you're looking for to get started.
$\checkmark$ After you fill in one or more definite answers, you need to go back and consider how those new pieces of information affect blank spaces you've already considered. Solving one number may be just the step needed to solve another in the same row, column, or 3 -x-3 box. ("Aha! I knew that space had to be filled with either a 2 or a 7 . Now that I've written 7 elsewhere in this row, my answer has to be 2.")
$\checkmark$ At some point - sooner rather than later, if the puzzle is a tough one - you're going to run out of obvious answers. Your next step is to start filling in possible answers in each empty space - doing so can help you identify definite answers that have been hiding from you.

You must use pencil here - you could end up with six or more numbers in a single space! You may even want to make a copy of the puzzle you're working on so you can scratch all over it and write only the definite answers on the original puzzle.

But what do you do after you've identified a bunch of possibilities? What do all these tiny numbers mean, and how do they help you figure out which is correct?

This is the step of the puzzle where you have a choice to make: Apply strategies such as those I outline in the next section, or start making best guesses and see where each leads you.

I'm not here to dictate your approach; the goal is for you to enjoy the solving process, and only you can decide how that's going to happen. But if guesswork makes you nervous, keep in mind that you can eliminate it altogether if you're willing to learn and use advanced strategies.

For many people, much of the pleasure in solving Sudoku is found in discovering the logic strategies that produce a solution. If you'd prefer to discover those strategies for yourself, feel free to stop reading now and jump right into the puzzles in Part II.

As I mention in the previous section, I offer a suggested solving time for each Sudoku puzzle in Part II. These times are completely subjective because actual solving times vary according to your experience, skill, and many other factors, such as your environment or whether you're having a particularly good solving day. The times I suggest are set at a level that an expert solver would expect to achieve, so please don't be disheartened if you
don't finish so quickly. Just let the time estimates add an element of competition to the fun of solving sudoku. And if you aren't the competitive sort, ignore those estimates altogether!

## Advancing past the basics

The key to solving almost any Sudoku is discovering every possible number for each square. These options can be found simply by checking each square and asking the question "Will such-and-such a number go here?" while checking whether the number is also in the row, column, or 3 x 3 box in which the square resides. Using a pencil, you want to write the possible options in each empty square on the grid.

After you reach a point where all the obvious numbers have been solved, you have to search for options in a systematic way. When you can't prove which number should be in a square, you can often more easily prove what can't be there. By a process of elimination, you can reduce the options for a square until you're left with only one.

A basic discipline of Sudoku solving is recognizing option groupings. Spotting the relationship of a group of options in one square to another group in another square is fundamental to solving difficult Sudoku puzzles. If you want detailed information on putting grouping strategy to use, I highly recommend checking out Extreme Sudoku For Dummies (Wiley).

Sudoku is a puzzle that you solve with logic alone, so it follows that the schemes for solving should be examined in a logical way. Learning about pairs and triplets gives you a good grounding in Sudoku logic and enables you to understand the reasoning behind the more advanced strategies.

## Taking Target Practice

If you start getting square eyes from doing regular Sudoku, I can offer some relief in the form of circular Sudoku, sometimes called target Sudoku. Think of the puzzle as a big pie cut into eight slices, each slice with four bites. Your goal is to place a number into each bite of pie so that every two adjacent slices contain all of the numbers from 1 to 8 . Every ring also must contain all the numbers from 1 to 8 .

Here's an important clue: Every other pie slice will contain the same four numbers. That has to be the case because otherwise, you'd have duplicates in some combination of two adjacent slices. However, the four numbers appear in different orders in the different slices because of the fact that each ring comes into play as well.

As with 9-x-9 grid Sudoku puzzles, you start a target Sudoku by trying to identify definite answers: those blank spaces that can have only one answer based on the numbers the puzzle constructor has provided. Target Sudokus are a nice change of pace from grid sudokus and may be a touch easier because you're dealing with fewer spaces to fill.

## Part II

# Getting a Complete Puzzle Workout 

The 5th Wave By Rich Tennant


## In this part . . .

0kay, enough preparation - it's time for the fun stuff! Get your pencils ready, find a comfortable chair, get some scrap paper, and have fun working whichever type of puzzle you choose. You can start with a crossword, a word game, a sudoku grid, some riddles . . . whatever makes your gray matter happy and keeps you coming back for more.

## Chapter 4

## Puzzles

## In This Part

Puzzling out logic puzzles and riddles
Getting wordy over word puzzles
Cracking the codes on crossword puzzles
Sinking your teeth into sudoku

$p$uzzles are labeled by type and difficulty level. Levels are Easy, Tricky, Tough, and Treacherous, "Easy" being (of course) the easiest puzzles, and "Treacherous" being the most difficult puzzles. When you finish solving all these puzzles, please see Part III for the answers. Have fun!

## Logic Puzzles

Put on your thinking cap to solve these logic puzzles! Each has just one answer. See Chapter 2 for tips on tackling logic puzzles.

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 Part II: Getting a Complete Puzzle Workout
## Easy

## Puzzle 1

How many times can a mathematician subtract ten from 100 ?

## Puzzle 2

Decipher this clue: YYYMEN

## Tricky

## Puzzle 3

A woman gave birth to two boys on the same day, in the same year, within minutes of each other, yet they were not twins. How is this possible?

## Puzzle 4

Add one line, and one line only, to make the following statement correct: $5+5+5=550$

## Puzzle 5

Alexander is a great magician, skilled in many things. He weighs exactly 199 pounds and is about to cross a bridge with a strict weight limit of 200 pounds. The problem is he is carrying three pieces of gold, each weighing 8 ounces each. The gold puts him 8 ounces over the strict weight limit. What did Alexander do to cross the bridge safely with all three pieces of gold?

## Tough

## Puzzle 6

Two people stand on opposite corners of a handkerchief. They do not stretch or alter the handkerchief in any possible way. How can they both stand on the handkerchief simultaneously without having any possibility whatsoever of touching each other?

## Puzzle 7

Under what circumstance could a person walk along a railroad track, discover an oncoming train, and have to run toward the train to avoid being struck?

## Puzzle 8

Imagine this scenario. You have an extremely valuable item you need to send in the mail to an acquaintance. You have a special container that has the perfect amount of space for the item, but no extra space whatsoever. The container does, however, have a place for locks on the outside. You have locks and keys, but your acquaintance does not have keys to unlock any of your locks. How can you send the extremely valuable container using your lock, and have, eventually, your acquaintance be able to open the package?

## Treacherous

## Puzzle 9

In a remote country ruled by a brutal monarch, a man was sentenced to death. Feeling godly, the brutal monarch told the man he would allow one final statement. The monarch advised the man that if he lied in his

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final statement, he would be drowned, but if he told the truth in his final statement, he be shot by firing squad. The man thought, and made his final statement. Due to the statement, the monarch was forced to release the man unharmed. What could the man possibly have said?

## Puzzle 10

There is an English word that is nine letters long that can form a new word each time one letter is removed. In fact, it can change to a new word every time a letter is removed until only one letter remains. What is the word, and what is the sequence of words formed by removing one letter at a time?

## Riddles

Each riddle here has just one answer. Think hard, and see Chapter 2 for information on good ways to approach riddles.

## Easy

## Puzzle 11

What becomes larger the more you take away from it, and smaller the more you add to it?

## Puzzle 12

What grows up at the same time it grows down?

## Puzzle 13

What gets larger as it eats, but smaller as it drinks?

## Chapter 4: Puzzles 43

## Tricky

## Puzzle 14

What has a foot on either side and another foot in the middle?

## Puzzle 15

Although it is always before you, what is it you can never see?

## Puzzle 16

What is constantly coming but never actually arrives?

## Puzzle 17

What goes up and down without actually moving?

## Tough

## Puzzle 18

What is impossible to hold for more than several minutes although it is lighter than a feather?

## Puzzle 19

Girls have it but boys do not. It's in your windows but not your walls. It's in everyone's life but not in anyone's death. What is it?

## Puzzle 20

There are two Ws in front of two other Ws. There are two Ws behind two other Ws. There are two Ws beside two other Ws. How many Ws are there in all?

## Puzzle 21

Homonyms are words that are spelled differently but sound exactly the same. One pair of homonyms is unique in that although they are true homonyms, the two words are also exact opposites of each other. What are the two words?

## Treacherous

## Puzzle 22

You have a balance-type scale with two trays and seemingly nine identical coins, except that one of the coins is a fake. The weight of the fake coin is slightly less than the authentic coins. What is the easiest way to find the fake gold coin?

## Puzzle 23

What word can be read left to right, right to left, and can be written forward, backward, or upside down?

## Puzzle 24

What two English words have three consecutive repeated letters?

## Puzzle 25

It is more powerful than God. The poorest of the poor have it. The richest of the rich need it. If you eat it or drink it, you'll die. What is it?

## Chapter 4: Puzzles 45

## Cryptograms

Here a phrase or sentence is encrypted - each letter is substituted with a different letter or character. To know what the sentence or phrase says, figure out each substitution. Hints are given for each puzzle. See Chapter 2 for more information on cryptograms, and keep scrap paper close by, in case you need it.

## Easy

## Puzzle 26

BJVAY JSN CYP FULBN BJVAYI FOCY QUV. ISULP JSN QUV IBPPK JBUSP.

Hint: E appears 5 times.

## Puzzle 27

UP YIGPBXW QB RQXG FNQXJNFD. FNPR ZIR UPYQZP AQGOD IF IVR ZQZPVF.

Hint: E appears 6 times.

## Puzzle 28

NOWY AJUSYSNN. AC AN COS ZWNC COLC LCCLFOSN ACNSUR CE COS GENC VZAUUALYC GSCLUN.

Hint: H appears 5 times.

## Puzzle 29

QD Q OLKG SLBG ND VZ SULBLSOGB, VZ BGIMOLOQNY XQWW OLKG SLBG ND QOPGWD.

Hint: I appears 5 times.

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## Tricky

## Puzzle 30

OA GOJ AFXZKRTFOAF OTF ZVNEPAYX KB YJTFA ZYL WJPPZYL FOJGF XOZX OTF VAZFJY TF GAZS

Hint: H appears 7 times.

## Puzzle 31

QCHPHKHN B ZHHV VBFH HMHNUBTBPY, B VBH RXQP OPWBV WCH ZHHVBPY LGTTHT.

Hint: The letter B is not used at all.

## Puzzle 32

FEIDF UVIE VSC JCDFJCAF. UVIE BJDFPXND BJKHF PD SNWW ON UVIE VSC JCDFNPR VG DVBNVCN NWDND.

Hint: H appears just one time.

## Puzzle 33

WAG MIER CGMCEG OAM ELTWGI WM QMWA TLHGT MP S PSKLER ZVSXXGE SXG WAG IGFW HMMX IGLJAQMXT.

Hint: X appears one time.

## Puzzle 34

GSS LBO DOGTLYKTS HOALYUOALH YA LBO ZNFSX ZOYJB SOHH LBGA G HYAJSO SNPOSM GWLYNA.

Hint: I appears 6 times.

## Puzzle 35

VKMDM'Q SEVKYSF YS VKM HYTTGM EZ VKM DEPT ORV XMGGEA QVDYUMQ PST TMPT PDHPTYGGEQ.

Hint: I appears 5 times.

## Puzzle 36

VZO ROW YFKKXV LO MXGEAZOI UEVZXBV SCEYVEXK, KXC WFK MOCSOYVOI UEVZXBV VCEFGA.

Hint: THE appears only once.

## Tough

## Puzzle 37

IYUYUSYI, XWYL MWY DYRJTJV ZMIAMZ WEZ ZMAQQ WY ZWTXZ WEZ SRJVZECY MT WRGQ MWY XTIGC.

Hint: One word ends with O.

## Puzzle 38

XHWZ QM KFXX CQKIG HUS SGFBI WHJOI RQGI MHFXJGIO DAHU XHWZ QM FUDIXXFLIUWI HUS HVFXFDT.

Hint: F appears 3 times.

## Puzzle 39

QWHYWBW YI VD KVI, VKPW MZVK U IYEW, UHH EWEQWDN VT IFW TUEYHX FUL QDWUJTUNI IVAWIFWD.

Hint: THE appears just one time.

## Puzzle 40

CQ HLI XCPP MYTRN ULVT FCUT MDSVYTRCRB FDT SJ, HLI'PP MYTRN PTMM FCUT ZDLYYCRB XLLN.

Hint: G appears 2 times.

## Puzzle 41

ZQA NXYOQTL DXOZ PKKALZPIUA ZX MXC KXDAO
EYXD P ZQPVFESU PVC KQAAYESU QAPYZ.
Hint: EE appears one time.

## Puzzle 42

ZNO GHRF PV UBGL HRF NPROX NHD BZD FKHTSHJLD. XPA JHR QOZ LBJLOF SX H JPT HRF DZARQ SX H SOO.

Hint: K appears 4 times.

## Puzzle 43

YDGF L ZLF RGGR ODG DLFSYXQOQFE CF ODG YLNN, ODGXG QR MXCKLKNP L TDQNS QF ODG HLZQNP.

Hint: The letter $U$ is not used at all.

## Treacherous

## Puzzle 44

LSOQJDCIZFG PCD JLSD YJJOQ MXF JDIG PACOCPFSO PCD NSSL FASE JLSD.

Hint: K appears just one time.

## Puzzle 45

NRL’W QRZRGGRS SDCC IV IVQQVG QXEU EUH HVWQVGLEH HRO XEBV VBVG PURSU.

Hint: The letter C is not used at all.

## Puzzle 46

JSNI HLTEXV QS ESH ASUG MYAW; HLG VDSWGE RSIQ, HLG VLSH YIISR, HLG DYVH PTJG YEQ HLG EGXPGAHGQ SDDSIHNETHZ.

Hint: W appears 2 times.

## Puzzle 47

C ZCQDNNF BQJV VUDA ECXACQHICXURX SDQ ZOJS AUR GRDXAX - ZCQDQYCDN VJOOCRX.

Hint: The letter P is not used at all.

## Puzzle 48

YD AGTTJDY TD HNNHEZCGMMS QDUT ZXH RJYK DN GMM JZT ADBHQT DN GEZJYV GYK QHGTDYJYV GT NHGQ.

Hint: B appears just one time.

## Puzzle 49

ZNKQYNM OG UPY FKRKFOUM US RYNHSNC RNSRYNAM YQYD BPYD GFKNYT PKAH US TYKUP.

Hint: W appears just one time.

## Puzzle 50

NHHNLBEQZBJ ZC OZCCAG WJ ONCB HANHMA WATXECA ZB ZC GLACCAG ZQ NIALXMMC XQG MNNVC MZVA PNLV.

Hint: The letter H is not used at all.

## Word Scrambles

Unscramble the capitalized word(s) in quotations to solve the riddles. See Chapter 2 for more details on word scrambles.

## Easy

## Puzzle 51

What some feel "ELVIS" does?

## Puzzle 52

What some "ACTORS" hate to do? $\qquad$

## Puzzle 53

What mishandling "ROSES" can lead to?

## Puzzle 54

How a "RESCUE" can make the saved person feel?

## Tricky

## Puzzle 55

Easy thing to do when one is "SILENT"?

## Puzzle 56

EASY not Tricky What "THE EYES" do? $\qquad$

-     -         - 


## Puzzle 57

What "THE IRS" thinks your money is? $\qquad$

## Puzzle 58

What courtroom figures in "ROBES" are? $\qquad$

## Puzzle 59

Simple thing to do with a "STIPEND"? $\qquad$

## Puzzle 60

While a teacher may be "TEACHING," a student may be?

## Puzzle 61

Where a sauce may "THICKEN"

## Tough

## Puzzle 62

Option for those with "BAD CREDIT"?
----

## Puzzle 63

This occurs when one is "PAST DUE"? _ _ _ _ _ _ _

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$\qquad$

## Puzzle 64

Where's a good place to see a "SCHOOL MASTER"?

## Puzzle 65

TREACHEROUS, not Tough What illegal auto "RACES CAN RUIN"? $\qquad$

## Puzzle 66

What "THE DETECTIVES" Do? $\qquad$

## Puzzle 67

What's "TWELVE PLUS ONE"?

## Treacherous

## Puzzle 68

What's "HOTTER IN DEGREES"?

Puzzle 69
PAYMENT RECEIVED! $\qquad$

## Puzzle 70

Many people leave "SLOT MACHINES" with?

## Puzzle 71

Some people consider them to be "LIES. LET'S
RECOUNT"?

## Puzzle 72

What a "CURE FOR BALD MALES" may be?

## Puzzle 73

Some consider it "CRAP BUILT ON LIES"

## Puzzle 74

One in a group of "NOTIONS WE RARELY USE"?

## Word Searches

Try to find as many words as you can in each puzzle.
Chapter 2 contains more information on word searches.

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 Part II: Getting a Complete Puzzle Workout
## Easy

| $Y$ | $M$ | $C$ | $W$ | $J$ | $E$ | $Z$ | $Q$ | $K$ | $O$ | $O$ | $H$ | $T$ | $A$ | $E$ | $M$ | $Q$ | $O$ | $E$ | $U$ | $V$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $K$ | $E$ | $E$ | $T$ | $M$ | $A$ | $N$ | $A$ | $G$ | $E$ | $M$ | $E$ | $N$ | $T$ | $P$ | $F$ | $I$ | $P$ | $A$ | $L$ | $M$ |
| $I$ | $C$ | $V$ | $U$ | $F$ | $O$ | $X$ | $T$ | $U$ | $P$ | $U$ | $A$ | $X$ | $Q$ | $V$ | $O$ | $H$ | $T$ | $J$ | $L$ | $X$ |
| $P$ | $N$ | $J$ | $N$ | $D$ | $I$ | $D$ | $T$ | $N$ | $A$ | $D$ | $N$ | $E$ | $T$ | $T$ | $A$ | $V$ | $S$ | $T$ | $E$ | $C$ |
| $E$ | $A$ | $X$ | $L$ | $O$ | $V$ | $L$ | $U$ | $F$ | $L$ | $D$ | $H$ | $G$ | $D$ | $Z$ | $V$ | $T$ | $S$ | $T$ | $T$ | $O$ |
| $G$ | $D$ | $O$ | $F$ | $E$ | $C$ | $M$ | $Z$ | $J$ | $D$ | $A$ | $V$ | $E$ | $P$ | $H$ | $A$ | $O$ | $M$ | $S$ | $A$ | $M$ |
| $R$ | $I$ | $X$ | $Y$ | $M$ | $J$ | $V$ | $B$ | $R$ | $S$ | $J$ | $L$ | $R$ | $Y$ | $F$ | $H$ | $Q$ | $J$ | $I$ | $I$ | $M$ |
| $A$ | $U$ | I | $E$ | $K$ | $L$ | $L$ | $I$ | $S$ | $O$ | $I$ | $L$ | $I$ | $F$ | $S$ | $G$ | $L$ | $A$ | $F$ | $C$ | $A$ |
| $H$ | $G$ | $H$ | $W$ | $S$ | $B$ | $M$ | $I$ | $B$ | $V$ | $O$ | $C$ | $E$ | $U$ | $H$ | $N$ | $N$ | $X$ | $J$ | $O$ | $N$ |
| $C$ | $I$ | $W$ | $R$ | $X$ | $Q$ | $S$ | $H$ | $E$ | $A$ | $W$ | $R$ | $P$ | $W$ | $O$ | $R$ | $K$ | $E$ | $R$ | $S$ | $D$ |
| $A$ | $I$ | $E$ | $F$ | $K$ | $T$ | $O$ | $R$ | $C$ | $N$ | $E$ | $P$ | $M$ | $M$ | $J$ | $Q$ | $A$ | $X$ | $Y$ | $S$ | $T$ |
| $Q$ | $V$ | $G$ | $T$ | $A$ | $L$ | $G$ | $I$ | $T$ | $H$ | $O$ | $M$ | $Q$ | $U$ | $W$ | $P$ | $Q$ | $T$ | $Z$ | $A$ | $H$ |
| $T$ | $Y$ | $Y$ | $N$ | $D$ | $L$ | $E$ | $R$ | $C$ | $R$ | $E$ | $S$ | $L$ | $A$ | $B$ | $O$ | $R$ | $E$ | $R$ | $B$ | $Z$ |
| $I$ | $G$ | $T$ | $E$ | $A$ | $K$ | $B$ | $J$ | $T$ | $U$ | $I$ | $U$ | $E$ | $N$ | $U$ | $X$ | $C$ | $G$ | $B$ | $X$ | $Q$ |
| $L$ | $R$ | $R$ | $D$ | $I$ | $A$ | $O$ | $K$ | $G$ | $D$ | $W$ | $D$ | $J$ | $Y$ | $H$ | $O$ | $W$ | $X$ | $D$ | $O$ | $L$ |
| $D$ | $N$ | $A$ | $H$ | $D$ | $B$ | $Y$ | $A$ | $E$ | $F$ | $G$ | $Z$ | $G$ | $E$ | $T$ | $K$ | $G$ | $W$ | $J$ | $A$ | $X$ |
| $L$ | $Z$ | $X$ | $I$ | $E$ | $J$ | $E$ | $K$ | $D$ | $F$ | $N$ | $B$ | $L$ | $E$ | $N$ | $Y$ | $O$ | $L$ | $U$ | $W$ | $L$ |
| $E$ | $Z$ | $C$ | $T$ | $I$ | $L$ | $I$ | $O$ | $X$ | $F$ | $G$ | $P$ | $Y$ | $H$ | $J$ | $T$ | $S$ | $N$ | $K$ | $M$ | $A$ |
| $Q$ | $Q$ | $U$ | $E$ | $L$ | $C$ | $G$ | $V$ | $N$ | $F$ | $E$ | $B$ | $F$ | $V$ | $E$ | $D$ | $A$ | $R$ | $M$ | $O$ | $C$ |
| $W$ | $Z$ | $K$ | $O$ | $K$ | $Y$ | $X$ | $K$ | $Q$ | $R$ | $D$ | $E$ | $R$ | $I$ | $H$ | $M$ | $O$ | $J$ | $D$ | $W$ | $B$ |
| $C$ | $L$ | $C$ | $K$ | $S$ | $Y$ | $Q$ | $P$ | $F$ | $R$ | $E$ | $E$ | $Y$ | $O$ | $L$ | $P$ | $M$ | $E$ | $S$ | $Q$ | $K$ |

## Puzzle 75

| AIDE | FIST | MANUAL |
| :--- | :--- | :--- |
| ASSISTANT | GUIDANCE | MEATHOOK |
| ASSOCIATE | HAND | MITT |
| ATTENDANT | HANDYMAN | PALM |
| CHARGE | HELPER | SIDEKICK |
| COLLEAGUE | HIRED | STAFFER |
| COMMAND | HIREDHAND | SUPPORT |
| COMRADE | JOBHOLDER | WORKER |
| CONVEY | LABORER |  |
| DELIVER | LIFT |  |
| EMPLOYEE | MANAGEMENT |  |


| $Y$ | $Q$ | $Q$ | $K$ | $L$ | $Q$ | $E$ | $X$ | $S$ | $X$ | $J$ | $G$ | $S$ | $P$ | $S$ | $Q$ | $J$ | $S$ | $C$ | $Q$ | $R$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $N$ | $D$ | $P$ | $F$ | $E$ | $Q$ | $A$ | $R$ | $W$ | $N$ | $X$ | $W$ | $J$ | $I$ | $C$ | $Z$ | $U$ | $C$ | $C$ | $B$ | $D$ |
| $X$ | $W$ | $B$ | $R$ | $G$ | $N$ | $K$ | $O$ | $P$ | $P$ | $Q$ | $Z$ | $G$ | $X$ | $O$ | $M$ | $S$ | $R$ | $Y$ | $G$ | $F$ |
| $P$ | $Q$ | $O$ | $E$ | $Z$ | $J$ | $M$ | $M$ | $P$ | $O$ | $H$ | $N$ | $D$ | $P$ | $U$ | $Y$ | $I$ | $E$ | $Y$ | $W$ | $T$ |
| $M$ | $J$ | $E$ | $D$ | $T$ | $V$ | $N$ | $A$ | $S$ | $U$ | $A$ | $K$ | $Y$ | $U$ | $O$ | $K$ | $O$ | $A$ | $Y$ | $S$ | $K$ |
| $S$ | $A$ | $X$ | $W$ | $D$ | $U$ | $W$ | $L$ | $D$ | $L$ | $T$ | $E$ | $E$ | $R$ | $G$ | $T$ | $H$ | $M$ | $I$ | $P$ | $Q$ |
| $R$ | $D$ | $C$ | $S$ | $E$ | $N$ | $L$ | $C$ | $M$ | $O$ | $C$ | $U$ | $O$ | $C$ | $A$ | $G$ | $G$ | $N$ | $L$ | $G$ | $B$ |
| $B$ | $D$ | $L$ | $H$ | $Q$ | $L$ | $A$ | $A$ | $U$ | $S$ | $G$ | $A$ | $K$ | $K$ | $X$ | $T$ | $A$ | $Y$ | $Q$ | $U$ | $O$ |
| $I$ | $R$ | $A$ | $T$ | $A$ | $L$ | $C$ | $P$ | $S$ | $S$ | $R$ | $A$ | $N$ | $N$ | $S$ | $O$ | $A$ | $H$ | $P$ | $X$ | $E$ |
| $E$ | $E$ | $I$ | $R$ | $A$ | $N$ | $J$ | $O$ | $U$ | $G$ | $A$ | $I$ | $Z$ | $O$ | $H$ | $A$ | $L$ | $L$ | $O$ | $O$ | $T$ |
| $U$ | $S$ | $M$ | $X$ | $D$ | $H$ | $D$ | $R$ | $M$ | $P$ | $W$ | $W$ | $C$ | $I$ | $K$ | $P$ | $R$ | $W$ | $P$ | $L$ | $K$ |
| $D$ | $S$ | $E$ | $J$ | $P$ | $V$ | $S$ | $S$ | $S$ | $E$ | $M$ | $C$ | $X$ | $T$ | $J$ | $G$ | $Y$ | $G$ | $L$ | $Y$ | $A$ |
| $I$ | $V$ | $I$ | $J$ | $B$ | $P$ | $N$ | $E$ | $H$ | $W$ | $A$ | $U$ | $S$ | $A$ | $V$ | $T$ | $R$ | $Q$ | $L$ | $S$ | $Q$ |
| $X$ | $V$ | $S$ | $J$ | $V$ | $O$ | $U$ | $O$ | $N$ | $A$ | $N$ | $H$ | $J$ | $T$ | $Y$ | $S$ | $C$ | $T$ | $Q$ | $T$ | $X$ |
| $T$ | $X$ | $O$ | $H$ | $N$ | $K$ | $C$ | $T$ | $D$ | $O$ | $K$ | $S$ | $R$ | $U$ | $S$ | $I$ | $T$ | $I$ | $E$ | $R$ | $T$ |
| $T$ | $K$ | $O$ | $U$ | $U$ | $V$ | $F$ | $U$ | $Y$ | $T$ | $P$ | $E$ | $A$ | $L$ | $N$ | $N$ | $U$ | $E$ | $B$ | $U$ | $A$ |
| $F$ | $I$ | $E$ | $E$ | $W$ | $U$ | $G$ | $O$ | $V$ | $E$ | $L$ | $I$ | $I$ | $A$ | $M$ | $G$ | $O$ | $G$ | $E$ | $C$ | $E$ |
| $M$ | $T$ | $Y$ | $O$ | $V$ | $H$ | $R$ | $H$ | $Z$ | $L$ | $L$ | $C$ | $T$ | $S$ | $A$ | $O$ | $S$ | $A$ | $L$ | $O$ | $L$ |
| $X$ | $E$ | $H$ | $C$ | $H$ | $I$ | $K$ | $S$ | $O$ | $H$ | $E$ | $L$ | $L$ | $O$ | $C$ | $U$ | $U$ | $M$ | $L$ | $U$ | $I$ |
| $R$ | $D$ | $E$ | $H$ | $L$ | $I$ | $A$ | $H$ | $D$ | $J$ | $P$ | $Y$ | $S$ | $S$ | $X$ | $T$ | $B$ | $O$ | $O$ | $J$ | $M$ |
| $W$ | $B$ | $T$ | $T$ | $G$ | $C$ | $X$ | $Q$ | $C$ | $D$ | $Z$ | $B$ | $X$ | $J$ | $H$ | $G$ | $Z$ | $H$ | $W$ | $X$ | $S$ |

## Puzzle 76

| ACCOST | HANDSHAKE | SHOUT |
| :--- | :--- | :--- |
| ADDRESS | HELLO | SIGNAL |
| ALOHA | HOLLER | SINGOUT |
| BELLOW | HOMAGE | SMILEAT |
| CLAMOR | JUMPUPANDDOWN | SOOEY |
| COOEE | MEET | TIPONESHAT |
| CURTSY | OUTCRY | WELCOME |
| EXCLAIM | ROAR | WINKAT |
| GREET | SALUTATION | YELL |
| HAIL | SALUTE |  |
| HALLOO | SCREAM |  |


| $B$ | $Q$ | $F$ | $X$ | $H$ | $A$ | $I$ | $M$ | $N$ | $T$ | $K$ | $T$ | $A$ | $G$ | $R$ | $E$ | $A$ | $T$ | $G$ | $J$ | $V$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $Y$ | $Y$ | $U$ | $B$ | $Q$ | $Z$ | $E$ | $P$ | $O$ | $R$ | $T$ | $L$ | $Y$ | $H$ | $E$ | $G$ | $C$ | $M$ | $Y$ | $F$ | $B$ |
| $T$ | $Q$ | $T$ | $M$ | $S$ | $A$ | $J$ | $J$ | $H$ | $T$ | $Q$ | $Y$ | $T$ | $I$ | $S$ | $N$ | $E$ | $M$ | $M$ | $I$ | $Y$ |
| $I$ | $R$ | $D$ | $C$ | $S$ | $G$ | $C$ | $L$ | $C$ | $O$ | $L$ | $O$ | $S$ | $S$ | $A$ | $L$ | $G$ | $B$ | $W$ | $W$ | $M$ |
| $S$ | $D$ | $O$ | $U$ | $K$ | $W$ | $P$ | $W$ | $I$ | $C$ | $M$ | $X$ | $C$ | $S$ | $S$ | $J$ | $C$ | $N$ | $L$ | $E$ | $O$ |
| $N$ | $Y$ | $R$ | $T$ | $T$ | $H$ | $D$ | $P$ | $D$ | $M$ | $L$ | $P$ | $L$ | $C$ | $T$ | $R$ | $A$ | $M$ | $K$ | $I$ | $N$ |
| $E$ | $E$ | $V$ | $U$ | $U$ | $N$ | $Q$ | $U$ | $A$ | $N$ | $T$ | $I$ | $T$ | $Y$ | $Q$ | $Y$ | $K$ | $Q$ | $D$ | $G$ | $S$ |
| $D$ | $C$ | $O$ | $R$ | $P$ | $N$ | $K$ | $M$ | $U$ | $Q$ | $T$ | $K$ | $S$ | $T$ | $X$ | $K$ | $L$ | $U$ | $B$ | $H$ | $T$ |
| $H$ | $W$ | $Y$ | $E$ | $U$ | $R$ | $D$ | $Z$ | $C$ | $K$ | $U$ | $Z$ | $I$ | $U$ | $M$ | $J$ | $D$ | $B$ | $Z$ | $T$ | $R$ |
| $Z$ | $A$ | $W$ | $K$ | $W$ | $A$ | $R$ | $D$ | $F$ | $H$ | $O$ | $I$ | $M$ | $T$ | $B$ | $T$ | $H$ | $I$ | $C$ | $K$ | $O$ |
| $U$ | $I$ | $Q$ | $M$ | $V$ | $E$ | $V$ | $T$ | $N$ | $E$ | $T$ | $X$ | $E$ | $A$ | $E$ | $S$ | $M$ | $U$ | $G$ | $L$ | $U$ |
| $D$ | $I$ | $M$ | $E$ | $N$ | $S$ | $I$ | $O$ | $N$ | $F$ | $S$ | $J$ | $Q$ | $S$ | $G$ | $O$ | $T$ | $F$ | $G$ | $H$ | $S$ |
| $H$ | $H$ | $W$ | $T$ | $O$ | $V$ | $R$ | $E$ | $T$ | $T$ | $A$ | $M$ | $X$ | $Z$ | $G$ | $N$ | $H$ | $A$ | $M$ | $E$ | $S$ |
| $R$ | $P$ | $R$ | $O$ | $D$ | $I$ | $G$ | $I$ | $O$ | $U$ | $S$ | $H$ | $X$ | $C$ | $P$ | $P$ | $I$ | $O$ | $N$ | $I$ | $T$ |
| $S$ | $M$ | $Y$ | $M$ | $E$ | $X$ | $O$ | $B$ | $E$ | $S$ | $E$ | $G$ | $N$ | $F$ | $F$ | $B$ | $L$ | $T$ | $Z$ | $C$ | $J$ |
| $Y$ | $S$ | $D$ | $F$ | $M$ | $I$ | $J$ | $Z$ | $F$ | $V$ | $C$ | $E$ | $F$ | $W$ | $M$ | $M$ | $N$ | $E$ | $U$ | $B$ | $E$ |
| $S$ | $L$ | $A$ | $T$ | $U$ | $F$ | $E$ | $C$ | $N$ | $E$ | $L$ | $U$ | $P$ | $R$ | $O$ | $C$ | $B$ | $Y$ | $M$ | $D$ | $S$ |
| $Q$ | $L$ | $G$ | $M$ | $L$ | $O$ | $N$ | $N$ | $I$ | $G$ | $G$ | $I$ | $J$ | $R$ | $J$ | $U$ | $E$ | $U$ | $D$ | $F$ | $E$ |
| $S$ | $G$ | $A$ | $J$ | $O$ | $Y$ | $F$ | $S$ | $X$ | $R$ | $H$ | $Z$ | $D$ | $Q$ | $Q$ | $G$ | $E$ | $N$ | $Q$ | $K$ | $X$ |
| $J$ | $S$ | $B$ | $T$ | $V$ | $I$ | $J$ | $H$ | $U$ | $A$ | $C$ | $R$ | $Z$ | $O$ | $V$ | $H$ | $L$ | $S$ | $O$ | $J$ | $C$ |
| $M$ | $R$ | $P$ | $R$ | $G$ | $N$ | $E$ | $W$ | $K$ | $L$ | $D$ | $G$ | $C$ | $I$ | $N$ | $A$ | $T$ | $I$ | $T$ | $Q$ | $J$ |

Puzzle 77

| AWKWARD | LARGE | ROTUND |
| :--- | :--- | :--- |
| BULK | MAGNITUDE | SIZE |
| COLOSSAL | MAMMOTH | STOUT |
| CORPULENCE | MASS | SUBSTANCE |
| DENSITY | MATTER | THICK |
| DIMENSION | MEASURE | TITANIC |
| EXTENT | MONSTROUS | VOLUME |
| GREAT | OBESE | WEIGHT |
| HEFT | PORTLY |  |
| HUGE | PRODIGIOUS |  |
| IMMENSITY | QUANTITY |  |



## Puzzle 78

| ANNUL | NEGATE | SUPERCEDE |
| :--- | :--- | :--- |
| BACKPEDAL | NULLANDVOID | TAKEBACK |
| BREAKOFF | NULLIFY | VACATE |
| CANCEL | OVERRIDE | VETO |
| CEASE | QUASH | VITIATE |
| CESSATION | RECALL | VOID |
| COUNTERMAND | RENEGE |  |
| CROSSOUT | RENOUNCE |  |
| DISCHARGE | REPEAL |  |
| DISCONTINUE | RETRACT |  |
| DISESTABLISH | REVERSE |  |
| INVALIDATE | STOP |  |



Puzzle 79

| AMBITION | DRAWUPAPLAN | PROGRAM |
| :--- | :--- | :--- |
| ASPIRATION | FIGURING | PROJECT |
| CALCULATE | GOAL | PROPOSAL |
| CALCULATION | HOPE | PROSPECTUS |
| COGITATION | IDEA | PURPOSE |
| CONCEPTION | INTENT | RESOLUTION |
| CONTEMPLATION | MIND | SCHEME |
| DEAL | OBJECTIVE | STRATEGY |
| DESIGN | OUTLINE |  |
| DESIRE | PLAN |  |
| DETERMINATION | POINT |  |


| $W$ | $J$ | $P$ | $R$ | $P$ | $Q$ | $O$ | $E$ | $C$ | $J$ | $C$ | $T$ | $Y$ | $J$ | $L$ | $X$ | $T$ | $P$ | $R$ | $X$ | $E$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $Z$ | $T$ | $R$ | $D$ | $T$ | $U$ | $S$ | $K$ | $C$ | $I$ | $N$ | $B$ | $J$ | $Z$ | $F$ | $L$ | $D$ | $O$ | $L$ | $P$ | $Q$ |
| $A$ | $Z$ | $S$ | $A$ | $M$ | $A$ | $E$ | $P$ | $Q$ | $T$ | $P$ | $T$ | $R$ | $G$ | $W$ | $I$ | $G$ | $H$ | $D$ | $N$ | $H$ |
| $N$ | $R$ | $A$ | $E$ | $E$ | $H$ | $E$ | $V$ | $V$ | $N$ | $Y$ | $X$ | $A$ | $E$ | $Q$ | $S$ | $L$ | $S$ | $E$ | $A$ | $G$ |
| $S$ | $M$ | $A$ | $R$ | $C$ | $S$ | $B$ | $G$ | $O$ | $E$ | $F$ | I | $F$ | $A$ | $Z$ | $G$ | $T$ | $W$ | $D$ | $L$ | $U$ |
| $Q$ | $S$ | $C$ | $P$ | $J$ | $W$ | $G$ | $N$ | $K$ | $M$ | $N$ | $G$ | $Y$ | $X$ | $L$ | $Z$ | $J$ | $E$ | $I$ | $N$ | $O$ |
| $X$ | $N$ | $E$ | $S$ | $S$ | $R$ | $E$ | $I$ | $D$ | $P$ | $G$ | $O$ | $A$ | $H$ | $E$ | $A$ | $D$ | $L$ | $R$ | $E$ | $R$ |
| $I$ | $Q$ | $L$ | $R$ | $G$ | $O$ | $F$ | $L$ | $A$ | $O$ | $E$ | $K$ | $H$ | $Q$ | $J$ | $D$ | $Z$ | $L$ | $T$ | $Y$ | $H$ |
| $N$ | $R$ | $J$ | $O$ | $G$ | $P$ | $P$ | $A$ | $K$ | $L$ | $G$ | $E$ | $K$ | $L$ | $D$ | $J$ | $N$ | $I$ | $S$ | $B$ | $T$ |
| $H$ | $O$ | $N$ | $C$ | $S$ | $O$ | $L$ | $C$ | $O$ | $E$ | $E$ | $A$ | $D$ | $J$ | $A$ | $V$ | $C$ | $H$ | $I$ | $B$ | $K$ |
| $D$ | $T$ | $I$ | $N$ | $A$ | $E$ | $R$ | $S$ | $L$ | $V$ | $V$ | $G$ | $N$ | $I$ | $T$ | $N$ | $U$ | $O$ | $M$ | $N$ | $A$ |
| $L$ | $R$ | $W$ | $S$ | $A$ | $T$ | $N$ | $P$ | $S$ | $E$ | $S$ | $I$ | $F$ | $K$ | $S$ | $E$ | $V$ | $I$ | $K$ | $Z$ | $E$ |
| $A$ | $A$ | $U$ | $O$ | $N$ | $S$ | $C$ | $O$ | $I$ | $D$ | $V$ | $T$ | $K$ | $R$ | $B$ | $C$ | $L$ | $W$ | $T$ | $F$ | $R$ |
| $K$ | $C$ | $V$ | $B$ | $R$ | $A$ | $C$ | $H$ | $G$ | $U$ | $Z$ | $A$ | $E$ | $W$ | $Q$ | $C$ | $O$ | $T$ | $L$ | $Z$ | $B$ |
| $R$ | $P$ | $V$ | $I$ | $E$ | $G$ | $P$ | $E$ | $U$ | $R$ | $T$ | $M$ | $E$ | $P$ | $M$ | $U$ | $D$ | $V$ | $U$ | $A$ | $O$ |
| $X$ | $X$ | $J$ | $M$ | $V$ | $S$ | $V$ | $X$ | $N$ | $P$ | $O$ | $U$ | $N$ | $H$ | $F$ | $Q$ | $O$ | $I$ | $E$ | $I$ | $L$ |
| $P$ | $O$ | $E$ | $H$ | $F$ | $E$ | $A$ | $C$ | $E$ | $T$ | $S$ | $U$ | $X$ | $W$ | $I$ | $O$ | $R$ | $O$ | $S$ | $R$ | $C$ |
| $J$ | $Y$ | $N$ | $R$ | $F$ | $U$ | $R$ | $T$ | $H$ | $E$ | $R$ | $A$ | $N$ | $C$ | $E$ | $I$ | $W$ | $G$ | $G$ | $P$ | $Y$ |
| $L$ | $A$ | $H$ | $C$ | $N$ | $D$ | $J$ | $W$ | $T$ | $V$ | $D$ | $L$ | $T$ | $D$ | $S$ | $Q$ | $J$ | $A$ | $Z$ | $R$ | $U$ |
| $H$ | $D$ | $H$ | $G$ | $R$ | $A$ | $D$ | $U$ | $A$ | $T$ | $I$ | $O$ | $N$ | $E$ | $V$ | $W$ | $G$ | $S$ | $R$ | $P$ | $A$ |
| $T$ | $Z$ | $B$ | $I$ | $B$ | $C$ | $D$ | $U$ | $W$ | $U$ | $I$ | $N$ | $I$ | $O$ | $D$ | $Z$ | $J$ | $U$ | $W$ | $D$ | $Y$ |

## Puzzle 80

| ADDITION | EXPANSION | PRODUCTION |
| :--- | :--- | :--- |
| ADVANCE | FURTHERANCE | PROGRESS |
| ASCENSION | GAIN | PROMOTION |
| ASCENT | GOAHEAD | REVIVAL |
| BREAKTHROUGH | GRADUATION | RISE |
| CATCHUP | GROWTH | SCALING |
| CLIMB | INCREASE | SPREAD |
| CONTINUE | INNOVATION | STEPFORWARD |
| CREATION | INVENTION | STRIDE |
| DEVELOPMENT | LOSENOGROUND | SWELL |
| DISCOVERY | MOUNTING |  |
| ELEVATION | MOVEUP |  |



Puzzle 81

BILL
BODYOFLAWS
BYLAW
CANON
CHARTER
CODE
COMMAND
CONTROL
DECREE
DICTATE

DICTUM
DIRECTIVE
EDICT
EMBARGO
ENACTMENT
FORMULA
GOLDENRULE
GUIDELINE
INJUNCTION
INSTRUCTION

MANDATE
MEASURE
ORDER
ORDINANCE
PRINCIPLE
PROHIBITION
REGULATION
RESTRICTION
RULE
STATUTE


## Puzzle 82

| ABUNDANT | LAVISH | PRODIGAL |
| :--- | :--- | :--- |
| AMPLE | LIBERAL | PROFLIGATE |
| BOUNTIFUL | LIMITLESS | SQUANDERING |
| COPIOUS | MYRIAD | SUMPTUOUS |
| EPICUREAN | OPENHANDED | SYBARITIC |
| EXCESS | OPULENT | THRIFTLESS |
| EXCESSIVE | ORNATE | UNSELFISH |
| EXTRAVAGANT | PLENITUDE | UNSTINTING |
| GENEROUS | PLENTIFUL | WASTEFUL |
| IMPROVIDENT | PLENTY | WILD |
| INTEMPERATE | PRINCELY |  |

## Tricky

| $K$ | $W$ | $S$ | $U$ | $N$ | $T$ | $B$ | $I$ | $B$ | $X$ | $V$ | $L$ | $Z$ | $A$ | $A$ | $D$ | $P$ | $K$ | $C$ | $T$ | $L$ | $I$ | $S$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $Y$ | $L$ | $G$ | $Y$ | $Z$ | $D$ | $T$ | $N$ | $A$ | $T$ | $I$ | $S$ | $E$ | $H$ | $A$ | $N$ | $Z$ | $B$ | $O$ | $N$ | $U$ | $S$ | $E$ |
| $F$ | $F$ | $O$ | $K$ | $A$ | $E$ | $R$ | $B$ | $S$ | $C$ | $G$ | $C$ | $T$ | $W$ | $M$ | $F$ | $D$ | $I$ | $N$ | $A$ | $N$ | $M$ | $M$ |
| $L$ | $H$ | $C$ | $N$ | $H$ | $S$ | $P$ | $A$ | $B$ | $C$ | $I$ | $F$ | $P$ | $U$ | $W$ | $V$ | $E$ | $D$ | $S$ | $V$ | $N$ | $I$ | $M$ |
| $U$ | $A$ | $A$ | $T$ | $E$ | $K$ | $U$ | $C$ | $U$ | $U$ | $L$ | $L$ | $N$ | $V$ | $O$ | $L$ | $I$ | $F$ | $I$ | $R$ | $A$ | $N$ | $A$ |
| $F$ | $S$ | $G$ | $L$ | $P$ | $D$ | $S$ | $O$ | $A$ | $G$ | $A$ | $Y$ | $N$ | $N$ | $A$ | $C$ | $R$ | $G$ | $D$ | $E$ | $Y$ | $D$ | $L$ |
| $H$ | $M$ | $U$ | $Q$ | $T$ | $L$ | $M$ | $W$ | $I$ | $V$ | $N$ | $I$ | $W$ | $D$ | $B$ | $E$ | $R$ | $O$ | $E$ | $S$ | $E$ | $F$ | $E$ |
| $C$ | $T$ | $A$ | $O$ | $N$ | $Q$ | $K$ | $H$ | $E$ | $T$ | $T$ | $O$ | $E$ | $C$ | $V$ | $H$ | $O$ | $A$ | $R$ | $B$ | $V$ | $U$ | $R$ |
| $T$ | $C$ | $R$ | $Z$ | $T$ | $H$ | $O$ | $E$ | $M$ | $K$ | $U$ | $P$ | $O$ | $V$ | $Q$ | $S$ | $W$ | $X$ | $A$ | $O$ | $T$ | $L$ | $T$ |
| $A$ | $E$ | $D$ | $B$ | $J$ | $I$ | $G$ | $E$ | $P$ | $X$ | $K$ | $A$ | $S$ | $S$ | $M$ | $A$ | $R$ | $T$ | $T$ | $W$ | $A$ | $R$ | $Y$ |
| $W$ | $P$ | $E$ | $B$ | $O$ | $L$ | $C$ | $D$ | $M$ | $C$ | $P$ | $V$ | $C$ | $H$ | $K$ | $Q$ | $N$ | $B$ | $E$ | $E$ | $O$ | $J$ | $T$ |
| $A$ | $S$ | $D$ | $D$ | $R$ | $U$ | $N$ | $I$ | $A$ | $E$ | $W$ | $D$ | $X$ | $E$ | $I$ | $Q$ | $O$ | $A$ | $H$ | $V$ | $V$ | $U$ | $H$ |
| $H$ | $M$ | $U$ | $U$ | $A$ | $F$ | $I$ | $B$ | $L$ | $P$ | $B$ | $U$ | $T$ | $F$ | $Y$ | $M$ | $B$ | $U$ | $A$ | $I$ | $N$ | $D$ | $O$ |
| $Y$ | $U$ | $D$ | $W$ | $H$ | $E$ | $N$ | $D$ | $T$ | $O$ | $V$ | $M$ | $P$ | $R$ | $U$ | $D$ | $E$ | $N$ | $T$ | $T$ | $H$ | $I$ | $U$ |
| $C$ | $C$ | $A$ | $P$ | $P$ | $R$ | $E$ | $H$ | $E$ | $N$ | $S$ | $I$ | $V$ | $E$ | $Z$ | $O$ | $L$ | $E$ | $Q$ | $N$ | $G$ | $C$ | $G$ |
| $Q$ | $R$ | $I$ | $Z$ | $H$ | $A$ | $E$ | $G$ | $R$ | $N$ | $W$ | $F$ | $E$ | $P$ | $I$ | $L$ | $O$ | $W$ | $C$ | $E$ | $I$ | $I$ | $H$ |
| $E$ | $I$ | $Q$ | $H$ | $V$ | $C$ | $Q$ | $G$ | $K$ | $E$ | $R$ | $D$ | $I$ | $S$ | $C$ | $R$ | $E$ | $E$ | $T$ | $T$ | $Q$ | $O$ | $T$ |
| $T$ | $C$ | $J$ | $B$ | $N$ | $W$ | $Y$ | $V$ | $A$ | $Z$ | $C$ | $E$ | $X$ | $L$ | $Z$ | $P$ | $I$ | $M$ | $I$ | $T$ | $Z$ | $U$ | $F$ |
| $W$ | $C$ | $Y$ | $S$ | $A$ | $U$ | $E$ | $O$ | $V$ | $R$ | $S$ | $O$ | $C$ | $S$ | $K$ | $G$ | $Y$ | $L$ | $Y$ | $A$ | $B$ | $S$ | $U$ |
| $N$ | $H$ | $T$ | $N$ | $R$ | $H$ | $U$ | $Z$ | $P$ | $L$ | $D$ | $V$ | $I$ | $N$ | $M$ | $V$ | $O$ | $E$ | $T$ | $Y$ | $W$ | $C$ | $L$ |
| $D$ | $A$ | $V$ | $P$ | $Y$ | $Z$ | $S$ | $E$ | $L$ | $U$ | $M$ | $F$ | $X$ | $Y$ | $O$ | $P$ | $Y$ | $Q$ | $E$ | $A$ | $L$ | $E$ | $J$ |
| $I$ | $R$ | $V$ | $J$ | $P$ | $Y$ | $K$ | $G$ | $K$ | $D$ | $J$ | $Q$ | $U$ | $B$ | $D$ | $C$ | $Y$ | $A$ | $P$ | $Z$ | $V$ | $A$ | $H$ |
| $F$ | $Y$ | $A$ | $M$ | $U$ | $M$ | $F$ | $J$ | $Q$ | $K$ | $P$ | $V$ | $B$ | $L$ | $H$ | $Z$ | $R$ | $Y$ | $P$ | $X$ | $H$ | $H$ | $N$ |

## Puzzle 83

| ALERT | CONCERNED | ONGUARD |
| :--- | :--- | :--- |
| APPREHENSIVE | CONSIDERATE | POLITIC |
| ATTENTIVE | DISCREET | PRUDENT |
| AWAKE | GUARDED | REGARDFUL |
| AWARE | HALT | SOLICITOUS |
| CANNY | HEED | THOUGHTFUL |
| CAREFUL | HESITANT | VIGILANT |
| CAUTIOUS | JUDICIOUS | WARY |
| CHARY | MINDFUL | WATCHFUL |
| CIRCUMSPECT | OBSERVANT | WORRIED |


| $M$ | $Y$ | $T$ | $E$ | $V$ | $O$ | $W$ | $E$ | $C$ | $P$ | $U$ | $O$ | $Q$ | $S$ | $F$ | $J$ | $K$ | $F$ | $U$ | $M$ | $X$ | $P$ | $L$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $R$ | $U$ | $Z$ | $Y$ | $U$ | $G$ | $E$ | $J$ | $O$ | $H$ | $X$ | $I$ | $S$ | $Y$ | $T$ | $H$ | $G$ | $I$ | $E$ | $X$ | $Z$ | $P$ | $R$ |
| $F$ | $G$ | $Q$ | $S$ | $N$ | $Z$ | $X$ | $S$ | $D$ | $G$ | $U$ | $Y$ | $D$ | $W$ | $P$ | $E$ | $X$ | $T$ | $S$ | $S$ | $R$ | $N$ | $U$ |
| $D$ | $O$ | $X$ | $I$ | $N$ | $B$ | $Y$ | $I$ | $E$ | $W$ | $D$ | $C$ | $H$ | $I$ | $J$ | $A$ | $C$ | $B$ | $T$ | $Z$ | $G$ | $H$ | $H$ |
| $M$ | $G$ | $L$ | $W$ | $J$ | $F$ | $C$ | $T$ | $V$ | $F$ | $H$ | $A$ | $K$ | $L$ | $J$ | $V$ | $P$ | $R$ | $O$ | $J$ | $E$ | $C$ | $T$ |
| $T$ | $S$ | $L$ | $H$ | $T$ | $H$ | $R$ | $K$ | $I$ | $E$ | $G$ | $P$ | $R$ | $R$ | $V$ | $E$ | $E$ | $E$ | $B$ | $U$ | $X$ | $J$ | $X$ |
| $O$ | $B$ | $Z$ | $T$ | $B$ | $I$ | $M$ | $O$ | $H$ | $J$ | $W$ | $N$ | $G$ | $T$ | $F$ | $W$ | $T$ | $R$ | $U$ | $P$ | $S$ | $X$ | $V$ |
| $S$ | $F$ | $H$ | $H$ | $D$ | $N$ | $E$ | $S$ | $R$ | $E$ | $T$ | $T$ | $A$ | $C$ | $S$ | $M$ | $S$ | $O$ | $H$ | $N$ | $S$ | $G$ | $X$ |
| $C$ | $I$ | $G$ | $O$ | $Q$ | $R$ | $E$ | $O$ | $F$ | $C$ | $Z$ | $G$ | $X$ | $G$ | $S$ | $W$ | $L$ | $E$ | $P$ | $O$ | $R$ | $P$ | $P$ |
| $P$ | $K$ | $F$ | $T$ | $O$ | $S$ | $S$ | $O$ | $U$ | $T$ | $W$ | $B$ | $C$ | $N$ | $T$ | $H$ | $O$ | $W$ | $F$ | $G$ | $I$ | $Y$ | $V$ |
| $O$ | $A$ | $M$ | $R$ | $E$ | $T$ | $T$ | $A$ | $P$ | $S$ | $G$ | $F$ | $U$ | $I$ | $Y$ | $I$ | $O$ | $N$ | $S$ | $T$ | $K$ | $W$ | $A$ |
| $C$ | $F$ | $N$ | $G$ | $M$ | $J$ | $P$ | $H$ | $Q$ | $S$ | $H$ | $M$ | $B$ | $L$ | $P$ | $C$ | $G$ | $O$ | $C$ | $L$ | $P$ | $V$ | $C$ |
| $Z$ | $J$ | $S$ | $L$ | $U$ | $W$ | $C$ | $M$ | $B$ | $S$ | $U$ | $D$ | $D$ | $F$ | $B$ | $N$ | $A$ | $H$ | $T$ | $X$ | $R$ | $C$ | $V$ |
| $S$ | $S$ | $G$ | $D$ | $Y$ | $N$ | $I$ | $M$ | $P$ | $E$ | $R$ | $K$ | $D$ | $M$ | $P$ | $E$ | $I$ | $S$ | $S$ | $D$ | $J$ | $D$ | $J$ |
| $X$ | $W$ | $Q$ | $T$ | $U$ | $L$ | $P$ | $V$ | $R$ | $R$ | $M$ | $A$ | $G$ | $U$ | $C$ | $C$ | $X$ | $L$ | $T$ | $G$ | $A$ | $M$ | $V$ |
| $P$ | $L$ | $T$ | $A$ | $H$ | $O$ | $C$ | $O$ | $I$ | $S$ | $B$ | $U$ | $J$ | $F$ | $B$ | $G$ | $O$ | $Z$ | $R$ | $E$ | $M$ | $O$ | $B$ |
| $C$ | $O$ | $L$ | $L$ | $M$ | $C$ | $O$ | $T$ | $S$ | $P$ | $O$ | $I$ | $Z$ | $S$ | $Y$ | $U$ | $X$ | $B$ | $R$ | $L$ | $S$ | $W$ | $I$ |
| $Q$ | $H$ | $U$ | $W$ | $K$ | $D$ | $N$ | $U$ | $J$ | $R$ | $G$ | $A$ | $P$ | $X$ | $G$ | $J$ | $H$ | $P$ | $S$ | $O$ | $S$ | $X$ | $V$ |
| $J$ | $L$ | $P$ | $U$ | $R$ | $T$ | $S$ | $P$ | $G$ | $I$ | $C$ | $R$ | $R$ | $H$ | $H$ | $N$ | $S$ | $S$ | $F$ | $G$ | $A$ | $A$ | $H$ |
| $S$ | $Y$ | $A$ | $Y$ | $N$ | $T$ | $H$ | $E$ | $L$ | $N$ | $F$ | $H$ | $M$ | $A$ | $Z$ | $U$ | $M$ | $L$ | $A$ | $J$ | $E$ | $R$ | $K$ |
| $J$ | $J$ | $T$ | $H$ | $R$ | $O$ | $W$ | $Z$ | $K$ | $K$ | $I$ | $G$ | $M$ | $Q$ | $E$ | $Z$ | $I$ | $L$ | $W$ | $D$ | $N$ | $K$ | $H$ |
| $Z$ | $M$ | $A$ | $N$ | $U$ | $D$ | $S$ | $F$ | $E$ | $L$ | $S$ | $T$ | $N$ | $Y$ | $P$ | $R$ | $H$ | $G$ | $A$ | $P$ | $I$ | $Q$ | $V$ |
| $H$ | $O$ | $C$ | $Q$ | $J$ | $O$ | $J$ | $A$ | $G$ | $E$ | $H$ | $A$ | $T$ | $A$ | $T$ | $Y$ | $L$ | $F$ | $T$ | $E$ | $L$ | $K$ | $H$ |

## Puzzle 84

| CAST | HURL | SLOUGH |
| :--- | :--- | :--- |
| CATAPULT | JERK | SPATTER |
| CHUCK | LAUNCH | SPREAD |
| DART | LETFLY | SPRINKLE |
| DASH | PITCH | SPURT |
| EIGHTYSIX | PROJECT | STREW |
| EJECT | PROPEL | THROW |
| FLING | SCATTER | TOSSOUT |
| FLIRT | SEND |  |
| GETRIDOF | SHOOT |  |
| HEAVE | SLING |  |


| $G$ | $Y$ | $L$ | $V$ | $U$ | $A$ | $C$ | $N$ | $Z$ | $Z$ | $D$ | $L$ | $U$ | $E$ | $F$ | $S$ | $H$ | $P$ | $X$ | $Y$ | $H$ | $M$ | $V$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $L$ | $G$ | $V$ | $X$ | $G$ | $M$ | $I$ | $Q$ | $M$ | $I$ | $H$ | $N$ | $M$ | $Y$ | $T$ | $I$ | $R$ | $A$ | $H$ | $C$ | $Y$ | $Z$ | $E$ |
| $Y$ | $T$ | $I$ | $U$ | $T$ | $A$ | $R$ | $G$ | $S$ | $V$ | $S$ | $L$ | $N$ | $S$ | $Z$ | $A$ | $C$ | $V$ | $S$ | $P$ | $T$ | $P$ | $I$ |
| $A$ | $V$ | $Z$ | $W$ | $K$ | $W$ | $S$ | $D$ | $Z$ | $E$ | $V$ | $K$ | $H$ | $D$ | $I$ | $Z$ | $N$ | $H$ | $S$ | $E$ | $I$ | $E$ | $N$ |
| $P$ | $T$ | $A$ | $B$ | $G$ | $U$ | $E$ | $B$ | $L$ | $T$ | $R$ | $O$ | $V$ | $A$ | $F$ | $U$ | $Q$ | $O$ | $S$ | $N$ | $N$ | $C$ | $O$ |
| $J$ | $L$ | $G$ | $E$ | $L$ | $N$ | $T$ | $F$ | $I$ | $G$ | $D$ | $V$ | $T$ | $T$ | $V$ | $P$ | $R$ | $F$ | $D$ | $O$ | $G$ | $N$ | $I$ |
| $J$ | $B$ | $E$ | $P$ | $V$ | $A$ | $I$ | $H$ | $R$ | $O$ | $T$ | $S$ | $I$ | $Q$ | $A$ | $B$ | $V$ | $T$ | $S$ | $I$ | $I$ | $E$ | $T$ |
| Y | $O$ | $C$ | $H$ | $M$ | $S$ | $E$ | $V$ | $U$ | $E$ | $E$ | $K$ | $R$ | $C$ | $E$ | $O$ | $R$ | $C$ | $L$ | $T$ | $N$ | $C$ | $U$ |
| $T$ | $N$ | $Q$ | $Q$ | $H$ | $Z$ | $T$ | $C$ | $I$ | $U$ | $L$ | $W$ | $L$ | $S$ | $E$ | $E$ | $S$ | $Z$ | $J$ | $A$ | $E$ | $I$ | $B$ |
| $I$ | $U$ | $V$ | $O$ | $F$ | $K$ | $E$ | $S$ | $Q$ | $G$ | $D$ | $I$ | $T$ | $I$ | $F$ | $P$ | $M$ | $X$ | $W$ | $L$ | $B$ | $F$ | $I$ |
| $N$ | $S$ | $A$ | $H$ | $Q$ | $U$ | $Q$ | $E$ | $E$ | $R$ | $T$ | $O$ | $E$ | $F$ | $B$ | $D$ | $Q$ | $O$ | $G$ | $B$ | $G$ | $I$ | $R$ |
| $A$ | $W$ | $H$ | $F$ | $R$ | $G$ | $B$ | $X$ | $P$ | $P$ | $W$ | $T$ | $O$ | $F$ | $E$ | $E$ | $Y$ | $B$ | $M$ | $O$ | $R$ | $N$ | $T$ |
| $M$ | $I$ | $M$ | $U$ | $X$ | $F$ | $A$ | $C$ | $A$ | $Y$ | $X$ | $V$ | $V$ | $T$ | $T$ | $P$ | $R$ | $X$ | $U$ | $A$ | $A$ | $U$ | $N$ |
| $U$ | $D$ | $N$ | $I$ | $K$ | $L$ | $A$ | $U$ | $G$ | $P$ | $W$ | $A$ | $R$ | $L$ | $A$ | $K$ | $C$ | $A$ | $D$ | $I$ | $N$ | $M$ | $O$ |
| $H$ | $Z$ | $Z$ | $I$ | $M$ | $D$ | $F$ | $T$ | $A$ | $F$ | $T$ | $A$ | $C$ | $D$ | $R$ | $Q$ | $I$ | $W$ | $L$ | $B$ | $T$ | $N$ | $C$ |
| $E$ | $Y$ | $Q$ | $B$ | $O$ | $C$ | $R$ | $G$ | $N$ | $A$ | $E$ | $N$ | $G$ | $E$ | $N$ | $E$ | $R$ | $O$ | $S$ | $I$ | $T$ | $Y$ | $K$ |
| $O$ | $X$ | $S$ | $L$ | $C$ | $O$ | $N$ | $L$ | $V$ | $H$ | $N$ | $B$ | $E$ | $O$ | $J$ | $J$ | $S$ | $L$ | $K$ | $S$ | $T$ | $L$ | $F$ |
| $J$ | $L$ | $E$ | $E$ | $X$ | $Z$ | $N$ | $K$ | $G$ | $J$ | $P$ | $R$ | $O$ | $S$ | $O$ | $X$ | $A$ | $M$ | $F$ | $F$ | $N$ | $Y$ | $C$ |
| $O$ | $D$ | $O$ | $V$ | $T$ | $U$ | $Z$ | $I$ | $F$ | $Q$ | $J$ | $D$ | $U$ | $U$ | $E$ | $D$ | $L$ | $I$ | $L$ | $T$ | $B$ | $C$ | $F$ |
| $I$ | $X$ | $U$ | $V$ | $W$ | $R$ | $B$ | $R$ | $N$ | $B$ | $L$ | $E$ | $S$ | $S$ | $N$ | $R$ | $W$ | $L$ | $F$ | $A$ | $L$ | $L$ | $B$ |
| $Z$ | $L$ | $W$ | $S$ | $E$ | $E$ | $U$ | $Q$ | $Z$ | $P$ | $P$ | $B$ | $H$ | $P$ | $H$ | $T$ | $P$ | $I$ | $R$ | $V$ | $R$ | $L$ | $C$ |
| $I$ | $O$ | $D$ | $E$ | $P$ | $G$ | $F$ | $O$ | $F$ | $K$ | $N$ | $R$ | $C$ | $R$ | $I$ | $Z$ | $Y$ | $D$ | $L$ | $H$ | $Q$ | $O$ | $J$ |
| $A$ | $K$ | $S$ | $U$ | $Z$ | $P$ | $C$ | $C$ | $C$ | $O$ | $J$ | $P$ | $R$ | $E$ | $Z$ | $V$ | $X$ | $E$ | $R$ | $L$ | $T$ | $W$ | $D$ |

Puzzle 85

| AGAPE | CONTRIBUTION | HUMANITY |
| :--- | :--- | :--- |
| ALMS | COURTESY | KIND |
| GIVING | DOLE | LIBERALITY |
| ALTRUISM | DONATE | LOVE |
| BENIGNITY | DOUCEUR | MUNIFICENCE |
| BEQUEST | FAVOR | OBLATION |
| BESTOW | GENEROSITY | OFFER |
| BIGHEARTED | GIFT | PLUS |
| BLESS | GOODWILL | PRESENT |
| BONUS | GRANT | RELIEF |
| BOUNTY | GRATUITY | SERVICE |
| CHARITY | HELP | UNSELFISH |


| $B$ | $D$ | $Q$ | $G$ | $K$ | $K$ | $O$ | $H$ | $A$ | $V$ | $C$ | $E$ | $V$ | $C$ | $C$ | $T$ | $E$ | $C$ | $K$ | $Z$ | $F$ | $U$ | $X$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $F$ | $O$ | $O$ | $Q$ | $O$ | $K$ | $G$ | $W$ | $B$ | $X$ | $F$ | $G$ | $Z$ | I | $E$ | $Q$ | $J$ | $E$ | $L$ | $K$ | $Y$ | $Q$ | $M$ |
| $Y$ | $M$ | $K$ | $K$ | $S$ | $U$ | $T$ | $T$ | $S$ | $B$ | $J$ | $Y$ | $T$ | $Y$ | $N$ | $X$ | $P$ | $A$ | $V$ | $R$ | $N$ | $K$ | $A$ |
| $R$ | $R$ | $U$ | $F$ | $A$ | $T$ | $K$ | $C$ | $A$ | $S$ | $P$ | $S$ | $E$ | $H$ | $T$ | $I$ | $L$ | $B$ | $R$ | $X$ | $W$ | $L$ | $U$ |
| $F$ | $N$ | $E$ | $L$ | $L$ | $R$ | $N$ | $M$ | $O$ | $M$ | $I$ | $R$ | $T$ | $H$ | $F$ | $U$ | $L$ | $E$ | $G$ | $H$ | $X$ | $U$ | $G$ |
| $I$ | $I$ | $K$ | $E$ | $I$ | $Q$ | $I$ | $A$ | $V$ | $M$ | $E$ | $O$ | $T$ | $Y$ | $H$ | $P$ | $M$ | $U$ | $N$ | $A$ | $R$ | $D$ | $R$ |
| $N$ | $Y$ | $N$ | $P$ | $H$ | $A$ | $Q$ | $Q$ | $I$ | $T$ | $C$ | $P$ | $W$ | $O$ | $N$ | $Y$ | $X$ | $J$ | $I$ | $P$ | $B$ | $J$ | $Z$ |
| $B$ | $B$ | $Z$ | $G$ | $B$ | $C$ | $M$ | $T$ | $A$ | $R$ | $Q$ | $Z$ | $X$ | $L$ | $C$ | $U$ | $C$ | $S$ | $O$ | $P$ | $J$ | $S$ | $K$ |
| $Y$ | $J$ | $N$ | $L$ | $O$ | $Q$ | $P$ | $L$ | $D$ | $E$ | $B$ | $O$ | $N$ | $A$ | $I$ | $R$ | $E$ | $F$ | $G$ | $Y$ | $U$ | $C$ | $D$ |
| $Y$ | $L$ | $E$ | $W$ | $G$ | $O$ | $E$ | $K$ | $P$ | $O$ | $S$ | $I$ | $T$ | $I$ | $V$ | $E$ | $E$ | $U$ | $Y$ | $G$ | $F$ | $Q$ | $O$ |
| $D$ | $S$ | $L$ | $P$ | $V$ | $Z$ | $D$ | $E$ | $I$ | $Z$ | $W$ | $L$ | $L$ | $V$ | $L$ | $U$ | $R$ | $N$ | $S$ | $O$ | $J$ | $U$ | $U$ |
| $F$ | $F$ | $A$ | $O$ | $Z$ | $V$ | $Q$ | $S$ | $I$ | $X$ | $D$ | $B$ | $U$ | $O$ | $M$ | $Z$ | $F$ | $C$ | $A$ | $L$ | $S$ | $H$ | $L$ |
| $N$ | $T$ | $C$ | $E$ | $J$ | $C$ | $Y$ | $U$ | $P$ | $R$ | $W$ | $E$ | $I$ | $J$ | $U$ | $E$ | $E$ | $O$ | $E$ | $U$ | $L$ | $A$ | $L$ |
| $S$ | $J$ | $W$ | $E$ | $D$ | $Q$ | $Y$ | $H$ | $R$ | $I$ | $J$ | $A$ | $R$ | $W$ | $G$ | $Y$ | $R$ | $P$ | $K$ | $C$ | $U$ | $P$ | $A$ |
| $U$ | $U$ | $R$ | $M$ | $S$ | $N$ | $Z$ | $A$ | $Y$ | $K$ | $R$ | $E$ | $X$ | $U$ | $L$ | $T$ | $A$ | $N$ | $T$ | $K$ | $F$ | $P$ | $I$ |
| $O$ | $B$ | $N$ | $N$ | $A$ | $C$ | $A$ | $M$ | $R$ | $Y$ | $P$ | $I$ | $X$ | $I$ | $T$ | $M$ | $C$ | $H$ | $T$ | $Y$ | $E$ | $Y$ | $V$ |
| $I$ | $I$ | $G$ | $N$ | $M$ | $X$ | $T$ | $E$ | $R$ | $I$ | $G$ | $S$ | $T$ | $B$ | $E$ | $A$ | $M$ | $L$ | $N$ | $Z$ | $E$ | $A$ | $I$ |
| $R$ | $L$ | $U$ | $H$ | $Y$ | $O$ | $Y$ | $I$ | $E$ | $I$ | $J$ | $Z$ | $A$ | $S$ | $A$ | $I$ | $N$ | $Q$ | $A$ | $Z$ | $L$ | $S$ | $V$ |
| $A$ | $A$ | $X$ | $B$ | $G$ | $I$ | $A$ | $I$ | $Q$ | $R$ | $H$ | $D$ | $R$ | $J$ | $N$ | $D$ | $Q$ | $D$ | $Y$ | $J$ | $G$ | $A$ | $N$ |
| $L$ | $N$ | $O$ | $H$ | $G$ | $L$ | $V$ | $M$ | $N$ | $P$ | $F$ | $R$ | $I$ | $E$ | $N$ | $D$ | $L$ | $Y$ | $O$ | $Y$ | $M$ | $L$ | $O$ |
| $I$ | $T$ | $T$ | $P$ | $R$ | $H$ | $W$ | $S$ | $L$ | $A$ | $I$ | $N$ | $E$ | $G$ | $V$ | $O$ | $B$ | $G$ | $U$ | $O$ | $N$ | $A$ | $C$ |
| $H$ | $F$ | $J$ | $B$ | $G$ | $M$ | $D$ | $O$ | $A$ | $T$ | $R$ | $E$ | $J$ | $O$ | $I$ | $C$ | $E$ | $V$ | $B$ | $L$ | $G$ | $R$ | $S$ |
| $L$ | $I$ | $G$ | $H$ | $T$ | $H$ | $E$ | $A$ | $R$ | $T$ | $E$ | $D$ | $Y$ | $Z$ | $E$ | $E$ | $R$ | $B$ | $D$ | $V$ | $K$ | $K$ | $G$ |

## Puzzle 86

AIRY
AMIABLE
BEAM
BLITHE
BREEZY
BUOYANT
CAREFREE
CHEERY
CONVIVIAL
DEBONAIR
EASYGOING
ELATE
EXULTANT

| FREEANDEASY | LAUGH |
| :--- | :--- |
| FRIENDLY | LIGHTHEARTED |
| GENIAL | MERRY |
| GLEEFUL | MIRTHFUL |
| GOODNATURED | OPTIMISTIC |
| HAPPYASALARK | POSITIVE |
| HAPPYGOLUCKY | REJOICE |
| HILARIOUS | RIANT |
| INGOODSPIRITS | SUNNY |
| JOLLY |  |
| JOVIAL |  |
| JOYFUL |  |
| JUBILANT |  |


| $F$ | $V$ | $F$ | $Z$ | $M$ | $F$ | $W$ | $T$ | $M$ | $P$ | $X$ | $U$ | $N$ | $Z$ | $T$ | $M$ | $N$ | $D$ | $I$ | $M$ | $Y$ | $T$ | $P$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $M$ | $I$ | $A$ | $L$ | $C$ | $O$ | $R$ | $P$ | $I$ | $H$ | $E$ | $Z$ | $H$ | $N$ | $N$ | $Z$ | $V$ | $U$ | $B$ | $F$ | $E$ | $I$ | $P$ |
| $P$ | $C$ | $E$ | $D$ | $U$ | $E$ | $A$ | $P$ | $W$ | $U$ | $T$ | $V$ | $H$ | $Y$ | $E$ | $D$ | $U$ | $U$ | $S$ | $R$ | $S$ | $M$ | $S$ |
| $N$ | $T$ | $Q$ | $E$ | $V$ | $T$ | $M$ | $B$ | $V$ | $Y$ | $R$ | $I$ | $W$ | $N$ | $V$ | $D$ | $S$ | $T$ | $C$ | $E$ | $R$ | $E$ | $P$ |
| $J$ | $U$ | $G$ | $C$ | $P$ | $E$ | $T$ | $S$ | $U$ | $R$ | $F$ | $B$ | $R$ | $O$ | $L$ | $T$ | $S$ | $C$ | $K$ | $D$ | $E$ | $J$ | $R$ |
| $A$ | $O$ | $D$ | $L$ | $W$ | $C$ | $R$ | $E$ | $H$ | $R$ | $G$ | $E$ | $D$ | $N$ | $R$ | $A$ | $G$ | $A$ | $U$ | $N$ | $P$ | $Q$ | $E$ |
| $H$ | $E$ | $R$ | $A$ | $L$ | $D$ | $W$ | $T$ | $R$ | $B$ | $P$ | $R$ | $H$ | $E$ | $C$ | $D$ | $L$ | $L$ | $D$ | $A$ | $S$ | $W$ | $A$ |
| $E$ | $V$ | $I$ | $R$ | $A$ | $E$ | $I$ | $Q$ | $I$ | $O$ | $N$ | $U$ | $W$ | $D$ | $L$ | $Q$ | $O$ | $I$ | $G$ | $E$ | $R$ | $F$ | $D$ |
| $L$ | $I$ | $S$ | $E$ | $P$ | $D$ | $D$ | $S$ | $R$ | $S$ | $T$ | $M$ | $A$ | $I$ | $Z$ | $L$ | $S$ | $R$ | $O$ | $M$ | $E$ | $L$ | $S$ |
| $X$ | $G$ | $P$ | $L$ | $V$ | $R$ | $F$ | $T$ | $P$ | $W$ | $E$ | $O$ | $P$ | $P$ | $I$ | $T$ | $N$ | $W$ | $S$ | $O$ | $T$ | $E$ | $C$ |
| $U$ | $Y$ | $D$ | $H$ | $A$ | $P$ | $H$ | $L$ | $F$ | $E$ | $R$ | $R$ | $U$ | $T$ | $R$ | $T$ | $N$ | $C$ | $L$ | $R$ | $N$ | $N$ | $F$ |
| $C$ | $I$ | $R$ | $C$ | $U$ | $L$ | $A$ | $T$ | $E$ | $B$ | $R$ | $M$ | $V$ | $I$ | $L$ | $C$ | $E$ | $X$ | $A$ | $D$ | $I$ | $W$ | $S$ |
| $Q$ | $Q$ | $A$ | $V$ | $Z$ | $O$ | $I$ | $M$ | $C$ | $C$ | $K$ | $S$ | $B$ | $R$ | $J$ | $L$ | $Q$ | $V$ | $O$ | $S$ | $E$ | $O$ | $B$ |
| $U$ | $L$ | $X$ | $J$ | $Q$ | $B$ | $E$ | $I$ | $Z$ | $W$ | $R$ | $U$ | $E$ | $J$ | $N$ | $V$ | $E$ | $U$ | $J$ | $A$ | $O$ | $N$ | $V$ |
| $P$ | $E$ | $R$ | $Q$ | $A$ | $S$ | $W$ | $Z$ | $R$ | $E$ | $T$ | $T$ | $A$ | $C$ | $S$ | $L$ | $T$ | $G$ | $C$ | $X$ | $S$ | $K$ | $S$ |
| $B$ | $J$ | $Y$ | $E$ | $Q$ | $M$ | $H$ | $S$ | $S$ | $E$ | $X$ | $Q$ | $J$ | $U$ | $E$ | $T$ | $L$ | $W$ | $J$ | $O$ | $B$ | $E$ | $P$ |
| $U$ | $Y$ | $T$ | $Q$ | $W$ | $R$ | $M$ | $A$ | $C$ | $A$ | $H$ | $M$ | $P$ | $Z$ | $Q$ | $C$ | $Z$ | $A$ | $H$ | $C$ | $C$ | $K$ | $F$ |
| $L$ | $E$ | $E$ | $I$ | $T$ | $C$ | $A$ | $F$ | $Q$ | $L$ | $Q$ | $G$ | $R$ | $R$ | $F$ | $O$ | $N$ | $Q$ | $E$ | $F$ | $N$ | $A$ | $R$ |
| $Y$ | $B$ | $L$ | $A$ | $Z$ | $O$ | $N$ | $X$ | $N$ | $J$ | $U$ | $E$ | $H$ | $S$ | $I$ | $L$ | $B$ | $U$ | $P$ | $A$ | $U$ | $M$ | $I$ |
| $A$ | $L$ | $L$ | $X$ | $W$ | $T$ | $E$ | $Y$ | $F$ | $Y$ | $N$ | $O$ | $I$ | $S$ | $E$ | $A$ | $B$ | $R$ | $O$ | $A$ | $D$ | $A$ | $S$ |
| $P$ | $R$ | $O$ | $M$ | $U$ | $L$ | $G$ | $A$ | $T$ | $E$ | $K$ | $N$ | $H$ | $V$ | $E$ | $S$ | $R$ | $B$ | $X$ | $N$ | $Q$ | $P$ | $S$ |
| $G$ | $F$ | $P$ | $U$ | $B$ | $L$ | $I$ | $C$ | $I$ | $Z$ | $E$ | $W$ | $O$ | $U$ | $T$ | $F$ | $Z$ | $O$ | $T$ | $T$ | $N$ | $W$ | $U$ |
| $X$ | $N$ | $M$ | $L$ | $T$ | $P$ | $A$ | $Y$ | $K$ | $V$ | $W$ | $P$ | $E$ | $V$ | $E$ | $M$ | $A$ | $N$ | $A$ | $T$ | $E$ | $A$ | $E$ |

## Puzzle 87

| ADVERTISE | GIVEOUT | REPORT |
| :--- | :--- | :--- |
| ANNOUNCE | HERALD | RUMOR |
| BESTREW | INTERSPERSE | SCATTER |
| BLAZON | ISSUE | SENDOUT |
| BROADCAST | MAKEKNOWN | SPREAD |
| BRUIT | MEANDER | STREW |
| CIRCULATE | NOISEABROAD | TELL |
| DECLARE | PLACARD | TRAVEL |
| DISPERSE | PROCLAIM | UTTER |
| DISTRIBUTE | PROMULGATE | VENT |
| EMANATE | PUBLICIZE |  |
| EMIT | PUBLISH |  |


| $R$ | $Z$ | $J$ | $T$ | $C$ | $W$ | $G$ | $O$ | $A$ | $C$ | $Z$ | $B$ | $A$ | $U$ | $N$ | $I$ | $T$ | $E$ | $K$ | $G$ | $I$ | $S$ | $F$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $U$ | $K$ | $X$ | $S$ | $O$ | $K$ | $N$ | $U$ | $T$ | $C$ | $O$ | $Y$ | $F$ | $F$ | $F$ | $J$ | $B$ | $F$ | $N$ | $P$ | $D$ | $Y$ | $W$ |
| $O$ | $U$ | $L$ | $N$ | $U$ | $P$ | $K$ | $T$ | $Q$ | $B$ | $K$ | $M$ | $D$ | $Q$ | $Q$ | $Q$ | $A$ | $L$ | $L$ | $M$ | $Y$ | $N$ | $X$ |
| $F$ | $B$ | $M$ | $E$ | $P$ | $G$ | $E$ | $B$ | $W$ | $E$ | $G$ | $M$ | $P$ | $H$ | $L$ | $Q$ | $K$ | $G$ | $E$ | $H$ | $N$ | $T$ | $V$ |
| $W$ | $W$ | $M$ | $Z$ | $L$ | $U$ | $S$ | $N$ | $N$ | $E$ | $G$ | $N$ | $U$ | $O$ | $N$ | $T$ | $N$ | $T$ | $M$ | $N$ | $T$ | $H$ | $G$ |
| $S$ | $C$ | $Q$ | $O$ | $E$ | $B$ | $E$ | $L$ | $B$ | $M$ | $A$ | $R$ | $C$ | $S$ | $S$ | $L$ | $I$ | $D$ | $K$ | $X$ | $D$ | $E$ | $B$ |
| $C$ | $P$ | $Y$ | $Q$ | $C$ | $U$ | $M$ | $I$ | $H$ | $E$ | $T$ | $A$ | $G$ | $I$ | $V$ | $E$ | $L$ | $C$ | $M$ | $K$ | $O$ | $S$ | $B$ |
| $C$ | $T$ | $A$ | $I$ | $P$ | $Y$ | $E$ | $U$ | $I$ | $P$ | $K$ | $Y$ | $E$ | $J$ | $P$ | $L$ | $V$ | $I$ | $T$ | $C$ | $X$ | $I$ | $E$ |
| $V$ | $O$ | $C$ | $I$ | $X$ | $I$ | $W$ | $S$ | $J$ | $G$ | $Y$ | $T$ | $W$ | $F$ | $H$ | $Y$ | $O$ | $L$ | $L$ | $A$ | $Q$ | $Z$ | $N$ |
| $Y$ | $X$ | $R$ | $K$ | $R$ | $S$ | $W$ | $V$ | $J$ | $L$ | $V$ | $F$ | $R$ | $I$ | $N$ | $B$ | $U$ | $T$ | $X$ | $Y$ | $N$ | $E$ | $O$ |
| $I$ | $O$ | $B$ | $R$ | $J$ | $U$ | $C$ | $O$ | $M$ | $P$ | $O$ | $U$ | $N$ | $D$ | $I$ | $M$ | $D$ | $F$ | $G$ | $J$ | $R$ | $N$ | $I$ |
| $C$ | $E$ | $S$ | $E$ | $E$ | $C$ | $P$ | $J$ | $S$ | $E$ | $Y$ | $T$ | $C$ | $K$ | $P$ | $G$ | $Q$ | $I$ | $H$ | $I$ | $X$ | $C$ | $S$ |
| $C$ | $O$ | $K$ | $X$ | $F$ | $L$ | $L$ | $T$ | $F$ | $H$ | $Y$ | $Z$ | $P$ | $T$ | $N$ | $P$ | $G$ | $X$ | $S$ | $Y$ | $R$ | $O$ | $U$ |
| $O$ | $B$ | $I$ | $I$ | $C$ | $N$ | $A$ | $W$ | $Q$ | $C$ | $K$ | $X$ | $O$ | $V$ | $N$ | $K$ | $H$ | $J$ | $J$ | $L$ | $S$ | $M$ | $F$ |
| $N$ | $N$ | $V$ | $U$ | $P$ | $P$ | $O$ | $T$ | $M$ | $A$ | $N$ | $G$ | $E$ | $I$ | $R$ | $E$ | $K$ | $J$ | $G$ | $Z$ | $Y$ | $M$ | $O$ |
| $S$ | $X$ | $U$ | $T$ | $C$ | $P$ | $G$ | $C$ | $E$ | $T$ | $E$ | $M$ | $U$ | $L$ | $L$ | $I$ | $N$ | $T$ | $E$ | $R$ | $M$ | $I$ | $X$ |
| $O$ | $S$ | $R$ | $G$ | $R$ | $I$ | $A$ | $J$ | $U$ | $T$ | $G$ | $T$ | $A$ | $U$ | $G$ | $K$ | $W$ | $U$ | $M$ | $R$ | $X$ | $X$ | $A$ |
| $L$ | $S$ | $M$ | $J$ | $E$ | $O$ | $G$ | $R$ | $H$ | $A$ | $U$ | $E$ | $D$ | $T$ | $R$ | $N$ | $B$ | $I$ | $H$ | $O$ | $R$ | $D$ | $P$ |
| $I$ | $B$ | $P$ | $S$ | $S$ | $M$ | $Y$ | $E$ | $T$ | $G$ | $M$ | $E$ | $R$ | $G$ | $E$ | $F$ | $I$ | $O$ | $D$ | $O$ | $M$ | $J$ | $Q$ |
| $D$ | $I$ | $S$ | $T$ | $K$ | $C$ | $R$ | $J$ | $N$ | $N$ | $C$ | $O$ | $N$ | $N$ | $E$ | $C$ | $T$ | $M$ | $Z$ | $I$ | $R$ | $C$ | $A$ |
| $A$ | $N$ | $D$ | $W$ | $H$ | $I$ | $O$ | $F$ | $T$ | $N$ | $E$ | $F$ | $Q$ | $P$ | $S$ | $J$ | $V$ | $T$ | $X$ | $J$ | $E$ | $V$ | $E$ |
| $T$ | $D$ | $E$ | $I$ | $J$ | $I$ | $L$ | $R$ | $Z$ | $E$ | $V$ | $R$ | $R$ | $G$ | $Z$ | $M$ | $T$ | $R$ | $M$ | $A$ | $T$ | $C$ | $H$ |
| $E$ | $V$ | $O$ | $N$ | $N$ | $C$ | $Y$ | $Z$ | $C$ | $Y$ | $A$ | $L$ | $E$ | $K$ | $O$ | $Y$ | $H$ | $M$ | $G$ | $X$ | $Q$ | $R$ | $B$ |

## Puzzle 88

| ADMIX | COUPLE | PAIRUP |
| :--- | :--- | :--- |
| ALLOY | FUSION | PARTNER |
| ATTACH | INTERMIX | SCRAMBLE |
| BIND | JOIN | SYNTHESIZE |
| BLEND | JUMBLE | TWIN |
| COMBO | LEVIGATE | UNITE |
| COMMIX | LINK | YOKE |
| COMPOSE | LUMPTOGETHER |  |
| COMPOUND | MATCH |  |
| CONNECT | MATE |  |
| CONSOLIDATE | MERGE |  |
| CORRELATE | MINGLE |  |


| K | $U$ | $M$ | $V$ | $H$ | $M$ | $T$ | $L$ | $R$ | $J$ | $B$ | $K$ | $F$ | $C$ | $L$ | $T$ | $O$ | $E$ | $B$ | $Q$ | $V$ | $H$ | $W$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $N$ | $K$ | $C$ | $I$ | $T$ | $S$ | $P$ | $A$ | $L$ | $S$ | $E$ | $U$ | $C$ | $H$ | $I$ | $A$ | $Y$ | $W$ | $O$ | $J$ | $E$ | $V$ | $G$ |
| $N$ | $A$ | $F$ | $O$ | $Q$ | $T$ | $N$ | $N$ | $N$ | $J$ | $R$ | $B$ | $R$ | $E$ | $U$ | $W$ | $O$ | $N$ | $R$ | $L$ | $D$ | $R$ | $I$ |
| $V$ | $H$ | $I$ | $H$ | $M$ | $C$ | $D$ | $P$ | $K$ | $U$ | $O$ | $E$ | $E$ | $N$ | $L$ | $J$ | $C$ | $X$ | $S$ | $S$ | $L$ | $H$ | $M$ |
| $E$ | $G$ | $B$ | $D$ | $H$ | $Y$ | $Q$ | $W$ | $P$ | $O$ | $K$ | $K$ | $T$ | $F$ | $E$ | $A$ | $U$ | $I$ | $U$ | $H$ | $A$ | $B$ | $P$ |
| $P$ | $Y$ | $X$ | $X$ | $E$ | $Y$ | $V$ | $W$ | $M$ | $C$ | $F$ | $D$ | $E$ | $S$ | $M$ | $Q$ | $T$ | $X$ | $M$ | $R$ | $I$ | $W$ | $E$ |
| $R$ | $A$ | $K$ | $N$ | $H$ | $M$ | $C$ | $R$ | $A$ | $O$ | $B$ | $O$ | $C$ | $R$ | $E$ | $D$ | $D$ | $R$ | $L$ | $I$ | $D$ | $H$ | $R$ |
| $O$ | $W$ | $C$ | $Q$ | $R$ | $H$ | $O$ | $R$ | $S$ | $W$ | $N$ | $Q$ | $I$ | $D$ | $E$ | $J$ | $B$ | $E$ | $A$ | $F$ | $M$ | $H$ | $S$ |
| $V$ | $M$ | $M$ | $D$ | $A$ | $E$ | $C$ | $C$ | $K$ | $B$ | $S$ | $H$ | $M$ | $I$ | $M$ | $Q$ | $Q$ | $B$ | $U$ | $M$ | $S$ | $T$ | $O$ |
| $Y$ | $B$ | $P$ | $F$ | $A$ | $E$ | $O$ | $I$ | $U$ | $O$ | $T$ | $N$ | $O$ | $W$ | $P$ | $U$ | $M$ | $N$ | $U$ | $U$ | $S$ | $I$ | $N$ |
| $Q$ | $N$ | $F$ | $O$ | $S$ | $M$ | $D$ | $C$ | $L$ | $O$ | $W$ | $N$ | $C$ | $X$ | $I$ | $D$ | $N$ | $V$ | $U$ | $A$ | $B$ | $M$ | $A$ |
| $D$ | $E$ | $A$ | $I$ | $X$ | $Y$ | $F$ | $P$ | $E$ | $K$ | $C$ | $A$ | $S$ | $N$ | $M$ | $Y$ | $C$ | $W$ | $P$ | $M$ | $E$ | $S$ | $T$ |
| $R$ | $K$ | $W$ | $Z$ | $B$ | $X$ | $A$ | $M$ | $R$ | $U$ | $L$ | $I$ | $N$ | $A$ | $M$ | $A$ | $G$ | $M$ | $X$ | $K$ | $D$ | $E$ | $O$ |
| $E$ | $S$ | $D$ | $U$ | $R$ | $P$ | $I$ | $E$ | $E$ | $S$ | $G$ | $L$ | $F$ | $A$ | $R$ | $C$ | $C$ | $Y$ | $U$ | $R$ | $V$ | $K$ | $R$ |
| $S$ | $T$ | $Y$ | $I$ | $Q$ | $M$ | $T$ | $K$ | $T$ | $I$ | $B$ | $L$ | $N$ | $D$ | $A$ | $B$ | $C$ | $K$ | $O$ | $M$ | $F$ | $O$ | $M$ |
| $D$ | $C$ | $K$ | $T$ | $O$ | $S$ | $O$ | $G$ | $S$ | $S$ | $U$ | $I$ | $F$ | $R$ | $U$ | $Z$ | $K$ | $L$ | $U$ | $V$ | $M$ | $J$ | $B$ |
| $C$ | $U$ | $U$ | $T$ | $K$ | $B$ | $O$ | $U$ | $N$ | $S$ | $F$ | $V$ | $C$ | $F$ | $P$ | $X$ | $L$ | $E$ | $Q$ | $V$ | $X$ | $E$ | $A$ |
| $W$ | $F$ | $N$ | $N$ | $B$ | $Y$ | $S$ | $N$ | $U$ | $H$ | $F$ | $E$ | $O$ | $V$ | $K$ | $Q$ | $V$ | $A$ | $L$ | $F$ | $B$ | $C$ | $R$ |
| $X$ | $A$ | $A$ | $U$ | $C$ | $U$ | $T$ | $U$ | $P$ | $U$ | $O$ | $D$ | $O$ | $W$ | $V$ | $I$ | $M$ | $H$ | $M$ | $E$ | $W$ | $K$ | $S$ |
| $P$ | $R$ | $V$ | $Q$ | $W$ | $C$ | $J$ | $G$ | $L$ | $C$ | $O$ | $U$ | $T$ | $P$ | $C$ | $D$ | $A$ | $N$ | $F$ | $P$ | $H$ | $A$ | $T$ |
| $P$ | $R$ | $O$ | $M$ | $U$ | $H$ | $T$ | $E$ | $K$ | $H$ | $N$ | $A$ | $I$ | $Z$ | $G$ | $Q$ | $E$ | $O$ | $F$ | $V$ | $O$ | $E$ | $M$ |
| $K$ | $H$ | $C$ | $N$ | $U$ | $P$ | $Y$ | $J$ | $K$ | $R$ | $H$ | $V$ | $U$ | $A$ | $X$ | $P$ | $O$ | $J$ | $J$ | $W$ | $C$ | $O$ | $H$ |
| $L$ | $D$ | $R$ | $S$ | $G$ | $T$ | $H$ | $Y$ | $A$ | $G$ | $Z$ | $H$ | $R$ | $C$ | $H$ | $L$ | $O$ | $Y$ | $R$ | $F$ | $L$ | $P$ | $N$ |

Puzzle 89

| BUFFOON | HARLEQUIN | PANTOMIME |
| :--- | :--- | :--- |
| CARD | HUMOR | PRANKSTER |
| CHAFFER | IMPERSONATOR | PUNCH |
| CLOWN | JESTER | PUNSTER |
| COMEDIAN | JOKER | SLAPSTICK |
| COMIC | JOKESMITH | SMARTALECK |
| CUTUP | LAMPOON | VAUDEVILLIAN |
| DROLL | MADCAP | WISECRACKER |
| FOOL | MIMIC | ZANY |
| FUNNYMAN | MUMMER |  |


| $N$ | $O$ | $K$ | $X$ | $T$ | $A$ | $G$ | $F$ | $B$ | $F$ | $W$ | $T$ | $T$ | $R$ | $A$ | $Z$ | $H$ | $Z$ | $L$ | $R$ | $A$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $U$ | $Q$ | $F$ | $T$ | I | $B$ | $I$ | $H$ | $O$ | $R$ | $P$ | $Q$ | $K$ | $B$ | $E$ | $X$ | $N$ | $L$ | $G$ | $Z$ | $J$ |
| $H$ | $S$ | $S$ | $A$ | $T$ | $S$ | $M$ | $Q$ | $G$ | $Y$ | $O$ | $R$ | $Z$ | $T$ | $W$ | $H$ | $E$ | $L$ | $I$ | $X$ | $E$ |
| $H$ | $O$ | $X$ | $P$ | $D$ | $I$ | $B$ | $R$ | $O$ | $F$ | $M$ | $Y$ | $O$ | $A$ | $N$ | $U$ | $T$ | $N$ | $R$ | $N$ | $E$ |
| $C$ | $Z$ | $B$ | $O$ | $V$ | $T$ | $Y$ | $M$ | $U$ | $R$ | $I$ | $S$ | $Z$ | $S$ | $Q$ | $Z$ | $T$ | $O$ | $L$ | $U$ | $D$ |
| $U$ | $L$ | $D$ | $T$ | $W$ | $S$ | $Y$ | $Y$ | $W$ | $A$ | $T$ | $D$ | $X$ | $E$ | $C$ | $E$ | $W$ | $S$ | $M$ | $T$ | $U$ |
| $H$ | $Z$ | $C$ | $E$ | $J$ | $D$ | $Z$ | $O$ | $F$ | $R$ | $E$ | $O$ | $O$ | $E$ | $R$ | $R$ | $H$ | $I$ | $H$ | $S$ | $L$ |
| $Y$ | $S$ | $P$ | $V$ | $S$ | $E$ | $L$ | $A$ | $A$ | $N$ | $T$ | $C$ | $D$ | $D$ | $Q$ | $U$ | $I$ | $R$ | $H$ | $A$ | $C$ |
| $F$ | $S$ | $A$ | $G$ | $M$ | $L$ | $L$ | $C$ | $Y$ | $T$ | $M$ | $U$ | $I$ | $R$ | $T$ | $C$ | $O$ | $B$ | $X$ | $H$ | $E$ |
| $I$ | $G$ | $H$ | $U$ | $A$ | $T$ | $I$ | $E$ | $D$ | $D$ | $L$ | $C$ | $Z$ | $O$ | $L$ | $W$ | $H$ | $L$ | $E$ | $U$ | $R$ |
| $L$ | $A$ | $W$ | $S$ | $Q$ | $Z$ | $L$ | $X$ | $P$ | $C$ | $T$ | $H$ | $U$ | $A$ | $O$ | $C$ | $O$ | $D$ | $Q$ | $B$ | $P$ |
| $A$ | $W$ | $I$ | $H$ | $E$ | $C$ | $I$ | $C$ | $X$ | $X$ | $W$ | $T$ | $N$ | $U$ | $P$ | $B$ | $U$ | $P$ | $H$ | $L$ | $T$ |
| $U$ | $D$ | $X$ | $E$ | $T$ | $A$ | $G$ | $E$ | $R$ | $G$ | $E$ | $S$ | $T$ | $X$ | $K$ | $N$ | $H$ | $T$ | $X$ | $A$ | $W$ |
| $Q$ | $S$ | $K$ | $R$ | $U$ | $O$ | $N$ | $P$ | $H$ | $S$ | $I$ | $N$ | $A$ | $B$ | $P$ | $V$ | $Q$ | $Q$ | $B$ | $C$ | $A$ |
| $S$ | $J$ | $L$ | $P$ | $U$ | $D$ | $W$ | $T$ | $P$ | $M$ | $U$ | $M$ | $T$ | $Z$ | $R$ | $X$ | $K$ | $O$ | $J$ | $K$ | $L$ |
| $I$ | $V$ | $K$ | $Q$ | $D$ | $O$ | $B$ | $B$ | $L$ | $D$ | $J$ | $H$ | $T$ | $C$ | $C$ | $T$ | $O$ | $Y$ | $I$ | $B$ | $T$ |
| $D$ | $C$ | $I$ | $Z$ | $P$ | $E$ | $A$ | $U$ | $E$ | $U$ | $S$ | $H$ | $I$ | $L$ | $E$ | $Q$ | $R$ | $C$ | $G$ | $A$ | $U$ |
| $H$ | $S$ | $Y$ | $B$ | $J$ | $T$ | $A$ | $B$ | $S$ | $F$ | $B$ | $D$ | $B$ | $H$ | $T$ | $J$ | $K$ | $O$ | $Z$ | $L$ | $O$ |
| $S$ | $T$ | $Y$ | $H$ | $T$ | $S$ | $A$ | $J$ | $Q$ | $H$ | $B$ | $U$ | $R$ | $O$ | $I$ | $O$ | $E$ | $R$ | $P$ | $L$ | $J$ |
| $U$ | $W$ | $X$ | $U$ | $T$ | $R$ | $C$ | $A$ | $L$ | $P$ | $H$ | $X$ | $O$ | $J$ | $U$ | $R$ | $C$ | $R$ | $O$ | $E$ | $C$ |
| $E$ | $X$ | $C$ | $O$ | $M$ | $M$ | $U$ | $N$ | $I$ | $C$ | $A$ | $T$ | $E$ | $T$ | $Y$ | $O$ | $K$ | $Z$ | $D$ | $A$ | $D$ |

## Puzzle 90

BANISH
BLACKBALL
DEBAR
DENY
DEPORT
DISALLOW
DISQUALIFY
EXCEPT
EXCLUDE
EXCOMMUNICATE
EXILE

| EXPEL | QUELL |
| :--- | :--- |
| FORBID | REJECT |
| INTERDICT | SEGREGATE |
| KICKOUT | SHUTOUT |
| OMIT | SMOTHER |
| OSTRACIZE | SUBDUE |
| OUTLAW | TABOO |
| PRECLUDE | THROWOUT |
| PROHIBIT | VETO |

PROSCRIBE
QUASH

QUELL
REJECT
SEGREGATE
SHUTOUT
SMOTHER
SUBDUE
TABOO

VETO

| $J$ | $L$ | $C$ | $Q$ | $O$ | $R$ | $K$ | $E$ | $H$ | $P$ | $K$ | $R$ | $H$ | $H$ | $S$ | $I$ | $V$ | $A$ | $L$ | $E$ | $V$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $K$ | $K$ | $T$ | $P$ | $S$ | $A$ | $T$ | $Y$ | $V$ | $E$ | $T$ | $U$ | $B$ | $I$ | $R$ | $T$ | $S$ | $I$ | $D$ | $T$ | $U$ |
| $T$ | $L$ | $T$ | $B$ | $W$ | $A$ | $D$ | $J$ | $O$ | $R$ | $F$ | $U$ | $E$ | $F$ | $I$ | $L$ | $L$ | $V$ | $N$ | $U$ | $D$ |
| $R$ | $A$ | $A$ | $H$ | $N$ | $J$ | $R$ | $F$ | $Z$ | $J$ | $E$ | $T$ | $S$ | $A$ | $N$ | $Y$ | $O$ | $H$ | $O$ | $B$ | $E$ |
| E | $U$ | $T$ | $O$ | $L$ | $J$ | $O$ | $C$ | $A$ | $H$ | $K$ | $S$ | $T$ | $U$ | $V$ | $E$ | $P$ | $F$ | $I$ | $I$ | $O$ |
| $T$ | $T$ | $D$ | $F$ | $B$ | $J$ | $F$ | $Y$ | $O$ | $Q$ | $S$ | $K$ | $O$ | $C$ | $E$ | $E$ | $M$ | $K$ | $S$ | $R$ | $L$ |
| $A$ | $C$ | $U$ | $W$ | $K$ | $Q$ | $F$ | $A$ | $I$ | $O$ | $Y$ | $F$ | $W$ | $Q$ | $S$ | $R$ | $T$ | $D$ | $I$ | $T$ | $Z$ |
| $C$ | $I$ | $I$ | $P$ | $I$ | $E$ | $A$ | $X$ | $D$ | $B$ | $B$ | $T$ | $I$ | $F$ | $T$ | $U$ | $O$ | $V$ | $V$ | $N$ | $I$ |
| $Q$ | $V$ | $H$ | $A$ | $R$ | $A$ | $T$ | $U$ | $H$ | $M$ | $M$ | $J$ | $W$ | $H$ | $J$ | $S$ | $E$ | $W$ | $O$ | $O$ | $D$ |
| $I$ | $Y$ | $A$ | $D$ | $T$ | $O$ | $G$ | $A$ | $W$ | $E$ | $I$ | $C$ | $I$ | $U$ | $S$ | $M$ | $S$ | $X$ | $R$ | $C$ | $T$ |
| $X$ | $W$ | $P$ | $Y$ | $X$ | $I$ | $V$ | $G$ | $D$ | $K$ | $T$ | $N$ | $J$ | $L$ | $L$ | $I$ | $E$ | $W$ | $P$ | $Z$ | $K$ |
| $Z$ | $P$ | $P$ | $U$ | $R$ | $U$ | $I$ | $E$ | $A$ | $O$ | $J$ | $I$ | $I$ | $E$ | $W$ | $P$ | $N$ | $D$ | $Y$ | $G$ | $Q$ |
| $P$ | $I$ | $O$ | $D$ | $P$ | $V$ | $Y$ | $H$ | $N$ | $H$ | $M$ | $R$ | $T$ | $S$ | $L$ | $G$ | $L$ | $R$ | $P$ | $U$ | $X$ |
| $E$ | $U$ | $I$ | $J$ | $E$ | $D$ | $L$ | $Q$ | $P$ | $D$ | $Y$ | $M$ | $G$ | $O$ | $T$ | $N$ | $C$ | $Q$ | $U$ | $B$ | $E$ |
| $D$ | $Q$ | $N$ | $Y$ | $N$ | $A$ | $P$ | $H$ | $R$ | $R$ | $E$ | $Q$ | $O$ | $P$ | $P$ | $E$ | $L$ | $B$ | $B$ | $F$ | $D$ |
| $I$ | $E$ | $T$ | $E$ | $S$ | $C$ | $P$ | $L$ | $E$ | $O$ | $S$ | $R$ | $L$ | $C$ | $L$ | $X$ | $R$ | $G$ | $B$ | $B$ | $C$ |
| $V$ | $A$ | $X$ | $V$ | $T$ | $C$ | $U$ | $Q$ | $S$ | $E$ | $E$ | $T$ | $M$ | $E$ | $C$ | $N$ | $D$ | $R$ | $V$ | $N$ | $A$ |
| $O$ | $N$ | $N$ | $R$ | $O$ | $O$ | $S$ | $F$ | $E$ | $F$ | $R$ | $B$ | $O$ | $Q$ | $I$ | $A$ | $R$ | $P$ | $U$ | $E$ | $I$ |
| $R$ | $A$ | $Q$ | $U$ | $R$ | $R$ | $X$ | $P$ | $N$ | $A$ | $I$ | $S$ | $R$ | $C$ | $D$ | $E$ | $A$ | $A$ | $Y$ | $K$ | $X$ |
| $P$ | $V$ | $E$ | $P$ | $E$ | $D$ | $F$ | $O$ | $T$ | $X$ | $E$ | $K$ | $B$ | $B$ | $K$ | $I$ | $W$ | $X$ | $A$ | $Z$ | $R$ |
| $J$ | $I$ | $Q$ | $G$ | $M$ | $U$ | $C$ | $K$ | $X$ | $C$ | $J$ | $Y$ | $T$ | $U$ | $O$ | $L$ | $A$ | $E$ | $D$ | $Q$ | $B$ |

Puzzle 91

| ACCOMMODATE | DISTRIBUTE | PROVENDER |
| :--- | :--- | :--- |
| ACCORD | DONATE | PROVIDE |
| ADMINISTER | EQUIP | PROVISION |
| AFFORD | FILL | PURVEY |
| APPOINT | FURNISH | SERVE |
| AWARD | GIRD | STOCK |
| BESTOW | GIVE | STORE |
| CATER | INVEST | SUPPLY |
| CONFER | LAVISH | VICTUAL |
| CONTRIBUTE | OUTFIT |  |
| DEALOUT | PRESENT |  |


| $V$ | $S$ | $I$ | $S$ | $F$ | $B$ | $S$ | $F$ | $Q$ | $A$ | $D$ | $S$ | $S$ | $T$ | $R$ | $A$ | $G$ | $S$ | $J$ | $Y$ | $O$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $D$ | $R$ | $C$ | $G$ | $B$ | $K$ | $G$ | $P$ | $M$ | $X$ | $D$ | $B$ | $E$ | $T$ | $E$ | $E$ | $O$ | $Y$ | $F$ | $B$ | $D$ |
| T | W | O | $B$ | $R$ | $O$ | $R$ | $Y$ | $L$ | $I$ | $M$ | $I$ | $R$ | $J$ | $A$ | $L$ | $T$ | $E$ | $X$ | $R$ | $F$ |
| $K$ | $A$ | $A$ | $O$ | $M$ | $E$ | $E$ | $E$ | $Z$ | $A$ | $U$ | $Z$ | $T$ | $U$ | $K$ | $R$ | $D$ | $S$ | $D$ | $Q$ | $A$ |
| $D$ | $J$ | $G$ | $C$ | $R$ | $S$ | $G$ | $E$ | $Q$ | $Q$ | $G$ | $U$ | $H$ | $D$ | $T$ | $N$ | $T$ | $G$ | $E$ | $K$ | $P$ |
| $G$ | $E$ | $Y$ | $L$ | $U$ | $M$ | $G$ | $D$ | $S$ | $N$ | $C$ | $U$ | $E$ | $A$ | $C$ | $R$ | $T$ | $Q$ | $L$ | $P$ | $N$ |
| $B$ | $T$ | $J$ | $A$ | $K$ | $C$ | $R$ | $I$ | $A$ | $G$ | $N$ | $J$ | $E$ | $C$ | $E$ | $E$ | $E$ | $Q$ | $W$ | $H$ | $E$ |
| $S$ | $A$ | $C$ | $D$ | $N$ | $X$ | $D$ | $I$ | $G$ | $B$ | $P$ | $Y$ | $R$ | $T$ | $L$ | $U$ | $K$ | $P$ | $W$ | $K$ | $O$ |
| $S$ | $V$ | $R$ | $Z$ | $T$ | $E$ | $O$ | $Y$ | $F$ | $W$ | $X$ | $X$ | $C$ | $U$ | $T$ | $I$ | $D$ | $U$ | $O$ | $U$ | $O$ |
| $E$ | $A$ | $M$ | $D$ | $R$ | $U$ | $H$ | $X$ | $C$ | $Z$ | $G$ | $X$ | $W$ | $A$ | $T$ | $H$ | $J$ | $V$ | $H$ | $Z$ | $X$ |
| $R$ | $R$ | $A$ | $P$ | $B$ | $J$ | $N$ | $T$ | $L$ | $U$ | $Y$ | $K$ | $I$ | $T$ | $E$ | $A$ | $O$ | $O$ | $J$ | $X$ | $X$ |
| $T$ | $G$ | $N$ | $A$ | $T$ | $R$ | $M$ | $J$ | $N$ | $Z$ | $H$ | $N$ | $Q$ | $E$ | $N$ | $R$ | $H$ | $R$ | $G$ | $E$ | $C$ |
| $S$ | $G$ | $E$ | $V$ | $C$ | $H$ | $A$ | $F$ | $E$ | $E$ | $S$ | $D$ | $R$ | $V$ | $P$ | $A$ | $A$ | $E$ | $P$ | $F$ | $E$ |
| $I$ | $A$ | $A$ | $M$ | $A$ | $D$ | $D$ | $E$ | $N$ | $T$ | $M$ | $G$ | $U$ | $F$ | $Y$ | $S$ | $V$ | $G$ | $Q$ | $N$ | $B$ |
| $D$ | $V$ | $E$ | $S$ | $N$ | $E$ | $C$ | $N$ | $I$ | $R$ | $S$ | $R$ | $E$ | $F$ | $D$ | $S$ | $G$ | $N$ | $R$ | $D$ | $D$ |
| $C$ | $E$ | $N$ | $W$ | $W$ | $H$ | $P$ | $G$ | $U$ | $O$ | $H$ | $N$ | $O$ | $R$ | $W$ | $J$ | $R$ | $A$ | $X$ | $B$ | $N$ |
| $H$ | $J$ | $D$ | $X$ | $E$ | $M$ | $A$ | $Q$ | $H$ | $M$ | $E$ | $M$ | $Q$ | $T$ | $U$ | $B$ | $G$ | $P$ | $O$ | $K$ | $E$ |
| $O$ | $V$ | $M$ | $C$ | $Y$ | $T$ | $T$ | $M$ | $O$ | $S$ | $W$ | $E$ | $T$ | $A$ | $R$ | $E$ | $N$ | $E$ | $G$ | $D$ | $F$ |
| $Y$ | $X$ | $T$ | $M$ | $E$ | $E$ | $C$ | $Q$ | $I$ | $M$ | $W$ | $R$ | $F$ | $C$ | $S$ | $S$ | $E$ | $U$ | $U$ | $S$ | $F$ |
| $I$ | $O$ | $W$ | $N$ | $H$ | $Y$ | $A$ | $A$ | $X$ | $V$ | $I$ | $X$ | $G$ | $C$ | $Z$ | $W$ | $W$ | $V$ | $U$ | $Q$ | $O$ |
| $R$ | $W$ | $I$ | $N$ | $F$ | $U$ | $R$ | $I$ | $A$ | $T$ | $E$ | $F$ | $F$ | $E$ | $C$ | $T$ | $E$ | $Q$ | $Z$ | $K$ | $T$ |

## Puzzle 92

| ACTUATE | ENRAGE | NETTLE |
| :--- | :--- | :--- |
| AGGRAVATE | EXASPERATE | OFFEND |
| ANGER | GENERATE | OUTRAGE |
| BADGER | GOAD | PERTURB |
| CAUSE | HARASS | PESTER |
| CHAFE | HECTOR | PLAGUE |
| DEFY | INCENSE | POKERAISE |
| DISQUIET | INFURIATE | START |
| DISTRESS | INITIATE | TORMENT |
| DISTURB | INSTIGATE | PROVOKE |
| EFFECT | MADDEN |  |


| $C$ | $E$ | $T$ | $K$ | $N$ | $C$ | $F$ | $U$ | $L$ | $Q$ | $B$ | $Z$ | $I$ | $W$ | $D$ | $F$ | $L$ | $P$ | $M$ | $R$ | $Y$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $Y$ | $M$ | $R$ | $H$ | $P$ | $Q$ | $G$ | $Z$ | $O$ | $L$ | $X$ | $F$ | $Q$ | $G$ | $C$ | $U$ | $Y$ | $N$ | $Z$ | $S$ | $N$ |
| $U$ | $W$ | $E$ | $I$ | $I$ | $R$ | $R$ | $S$ | $T$ | $A$ | $E$ | $K$ | $X$ | $M$ | $T$ | $S$ | $W$ | $A$ | $O$ | $N$ | $K$ |
| $C$ | $R$ | $T$ | $K$ | $Z$ | $R$ | $U$ | $R$ | $E$ | $X$ | $P$ | $Y$ | $O$ | $Y$ | $Q$ | $S$ | $N$ | $E$ | $N$ | $X$ | $V$ |
| $G$ | $S$ | $T$ | $C$ | $C$ | $C$ | $N$ | $X$ | $U$ | $G$ | $U$ | $C$ | $P$ | $B$ | $Q$ | $R$ | $E$ | $B$ | $B$ | $A$ | $J$ |
| $Y$ | $U$ | $A$ | $L$ | $S$ | $T$ | $N$ | $C$ | $T$ | $G$ | $O$ | $R$ | $O$ | $L$ | $O$ | $N$ | $P$ | $T$ | $E$ | $K$ | $F$ |
| $J$ | $P$ | $L$ | $A$ | $Q$ | $I$ | $K$ | $S$ | $L$ | $R$ | $N$ | $Y$ | $X$ | $G$ | $W$ | $O$ | $H$ | $F$ | $W$ | $R$ | $Q$ |
| $K$ | $M$ | $C$ | $M$ | $Y$ | $E$ | $A$ | $G$ | $W$ | $A$ | $A$ | $I$ | $F$ | $T$ | $U$ | $A$ | $G$ | $Z$ | $O$ | $D$ | $E$ |
| $J$ | $U$ | $L$ | $O$ | $I$ | $Z$ | $N$ | $L$ | $Y$ | $G$ | $N$ | $N$ | $L$ | $H$ | $V$ | $L$ | $R$ | $L$ | $A$ | $I$ | $Q$ |
| $G$ | $R$ | $S$ | $R$ | $V$ | $B$ | $Z$ | $L$ | $R$ | $B$ | $B$ | $G$ | $K$ | $L$ | $L$ | $B$ | $I$ | $B$ | $T$ | $S$ | $E$ |
| $H$ | $F$ | $H$ | $T$ | $O$ | $M$ | $K$ | $A$ | $I$ | $O$ | $J$ | $Q$ | $O$ | $C$ | $A$ | $C$ | $V$ | $F$ | $O$ | $T$ | $T$ |
| $G$ | $S$ | $L$ | $N$ | $I$ | $Y$ | $O$ | $B$ | $A$ | $W$ | $L$ | $C$ | $T$ | $R$ | $R$ | $U$ | $S$ | $S$ | $I$ | $U$ | $F$ |
| $K$ | $N$ | $E$ | $T$ | $U$ | $R$ | $B$ | $U$ | $L$ | $E$ | $N$ | $C$ | $E$ | $U$ | $O$ | $C$ | $Q$ | $K$ | $R$ | $R$ | $C$ |
| $R$ | $B$ | $I$ | $L$ | $O$ | $C$ | $Y$ | $Z$ | $H$ | $W$ | $C$ | $T$ | $Z$ | $C$ | $R$ | $A$ | $L$ | $S$ | $T$ | $B$ | $M$ |
| $B$ | $P$ | $S$ | $T$ | $C$ | $T$ | $H$ | $V$ | $O$ | $E$ | $Z$ | $E$ | $V$ | $E$ | $E$ | $M$ | $W$ | $D$ | $R$ | $A$ | $E$ |
| $S$ | $L$ | $G$ | $G$ | $U$ | $U$ | $H$ | $L$ | $O$ | $E$ | $W$ | $K$ | $E$ | $N$ | $L$ | $W$ | $O$ | $W$ | $B$ | $N$ | $L$ |
| $G$ | $S$ | $U$ | $F$ | $Y$ | $O$ | $F$ | $E$ | $T$ | $L$ | $Y$ | $C$ | $U$ | $O$ | $L$ | $W$ | $O$ | $I$ | $X$ | $C$ | $T$ |
| $E$ | $H$ | $U$ | $S$ | $W$ | $E$ | $H$ | $N$ | $I$ | $B$ | $H$ | $A$ | $B$ | $I$ | $O$ | $K$ | $C$ | $L$ | $L$ | $E$ | $T$ |
| $N$ | $P$ | $W$ | $L$ | $T$ | $C$ | $D$ | $S$ | $N$ | $B$ | $I$ | $R$ | $X$ | $S$ | $H$ | $K$ | $G$ | $I$ | $L$ | $T$ | $A$ |
| $A$ | $C$ | $T$ | $U$ | $L$ | $E$ | $I$ | $G$ | $G$ | $A$ | $Q$ | $Y$ | $F$ | $E$ | $L$ | $Q$ | $E$ | $A$ | $X$ | $E$ | $R$ |
| $G$ | $O$ | $Z$ | $X$ | $R$ | $J$ | $R$ | $Q$ | $X$ | $B$ | $Y$ | $C$ | $V$ | $W$ | $T$ | $U$ | $O$ | $W$ | $O$ | $L$ | $B$ |

Puzzle 93

| BABBLE | FROLIC | SCREECH |
| :--- | :--- | :--- |
| BAWL | FUSS | SHOUTING |
| BELLOW | HOLLER | SHRIEK |
| BLOWOUT | HOOTING | SQUALLING |
| BLUSTER | HOWL | STIR |
| BRATTLE | JABBER | TURBULENCE |
| BRAWL | NOISE | TURMOIL |
| CLAMOR | OUTCRY | UPROAR |
| CLANGOR | RACKET | WAIL |
| CLATTER | RIOT | YELL |
| CRYING | ROAR |  |
| DISTURBANCE | RUMPUS |  |


| $P$ | $D$ | $P$ | $V$ | $T$ | $U$ | $W$ | $U$ | $Z$ | $Q$ | $R$ | $K$ | $S$ | $F$ | $S$ | $Y$ | $V$ | $E$ | $Y$ | $W$ | $G$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $F$ | $V$ | $F$ | $B$ | $E$ | $R$ | $S$ | $M$ | $I$ | $E$ | $D$ | $I$ | $W$ | $H$ | $W$ | $C$ | $T$ | $E$ | $P$ | $Z$ | $U$ |
| $I$ | $U$ | $E$ | $E$ | $L$ | $C$ | $F$ | $Z$ | $N$ | $R$ | $H$ | $W$ | $C$ | $E$ | $D$ | $S$ | $B$ | $S$ | $W$ | $E$ | $P$ |
| $B$ | $J$ | $U$ | $V$ | $B$ | $E$ | $L$ | $T$ | $C$ | $B$ | $N$ | $N$ | $N$ | $G$ | $Y$ | $T$ | $P$ | $J$ | $V$ | $J$ | $O$ |
| $R$ | $Y$ | $N$ | $W$ | $A$ | $R$ | $B$ | $U$ | $L$ | $Q$ | $A$ | $I$ | $S$ | $J$ | $A$ | $R$ | $C$ | $I$ | $Y$ | $E$ | $W$ |
| $O$ | $V$ | $I$ | $O$ | $M$ | $S$ | $P$ | $G$ | $U$ | $T$ | $S$ | $F$ | $O$ | $I$ | $K$ | $O$ | $S$ | $Q$ | $A$ | $D$ | $E$ |
| $U$ | $M$ | $T$ | $N$ | $E$ | $T$ | $O$ | $P$ | $S$ | $F$ | $W$ | $E$ | $L$ | $L$ | $K$ | $N$ | $I$ | $T$ | $I$ | $Z$ | $R$ |
| $S$ | $U$ | $B$ | $R$ | $O$ | $A$ | $D$ | $T$ | $I$ | $C$ | $E$ | $D$ | $I$ | $G$ | $E$ | $G$ | $N$ | $R$ | $G$ | $D$ | $F$ |
| $D$ | $S$ | $L$ | $T$ | $J$ | $L$ | $V$ | $E$ | $V$ | $U$ | $I$ | $U$ | $D$ | $T$ | $O$ | $H$ | $O$ | $O$ | $Y$ | $D$ | $U$ |
| $B$ | $C$ | $H$ | $E$ | $C$ | $W$ | $Y$ | $C$ | $E$ | $S$ | $U$ | $T$ | $X$ | $I$ | $P$ | $N$ | $Z$ | $T$ | $Q$ | $E$ | $L$ |
| $T$ | $U$ | $O$ | $T$ | $S$ | $A$ | $X$ | $C$ | $S$ | $C$ | $J$ | $E$ | $E$ | $S$ | $L$ | $M$ | $F$ | $N$ | $A$ | $G$ | $R$ |
| $N$ | $L$ | $E$ | $N$ | $X$ | $R$ | $O$ | $D$ | $Y$ | $L$ | $Q$ | $W$ | $T$ | $L$ | $G$ | $E$ | $L$ | $B$ | $F$ | $G$ | $C$ |
| $Y$ | $A$ | $N$ | $J$ | $W$ | $T$ | $T$ | $P$ | $R$ | $Q$ | $Y$ | $U$ | $N$ | $N$ | $H$ | $H$ | $Y$ | $F$ | $C$ | $U$ | $M$ |
| $L$ | $R$ | $Q$ | $H$ | $Y$ | $T$ | $H$ | $G$ | $I$ | $M$ | $R$ | $V$ | $I$ | $A$ | $C$ | $T$ | $Z$ | $M$ | $C$ | $R$ | $Y$ |
| $Q$ | $G$ | $T$ | $B$ | $A$ | $T$ | $Y$ | $V$ | $W$ | $D$ | $E$ | $P$ | $M$ | $N$ | $E$ | $J$ | $A$ | $H$ | $I$ | $N$ | $D$ |
| $N$ | $Z$ | $O$ | $Y$ | $V$ | $X$ | $J$ | $U$ | $Y$ | $S$ | $P$ | $K$ | $R$ | $U$ | $M$ | $L$ | $U$ | $F$ | $H$ | $B$ | $E$ |
| $E$ | $O$ | $E$ | $N$ | $C$ | $C$ | $A$ | $S$ | $G$ | $A$ | $O$ | $A$ | $H$ | $P$ | $Z$ | $S$ | $U$ | $I$ | $D$ | $K$ | $Y$ |
| $G$ | $J$ | $H$ | $T$ | $H$ | $E$ | $W$ | $Y$ | $R$ | $B$ | $F$ | $O$ | $L$ | $P$ | $K$ | $U$ | $K$ | $C$ | $A$ | $L$ | $O$ |
| $Q$ | $H$ | $E$ | $P$ | $T$ | $H$ | $Z$ | $T$ | $P$ | $P$ | $I$ | $P$ | $T$ | $Y$ | $Z$ | $J$ | $Z$ | $U$ | $R$ | $X$ | $D$ |
| $H$ | $C$ | $N$ | $U$ | $A$ | $T$ | $S$ | $X$ | $Z$ | $H$ | $G$ | $U$ | $O$ | $T$ | $P$ | $R$ | $V$ | $U$ | $R$ | $E$ | $U$ |
| $N$ | $A$ | $F$ | $A$ | $A$ | $A$ | $D$ | $G$ | $P$ | $P$ | $B$ | $I$ | $W$ | $I$ | $X$ | $X$ | $B$ | $J$ | $M$ | $U$ | $H$ |

## Puzzle 94

| ABLE | INCLUSIVE | STAUNCH |
| :--- | :--- | :--- |
| ATHLETIC | IRON | STOUT |
| BRAWNY | MIGHTY | STRAPPING |
| BROAD | MUSCULAR | STRONG |
| BURLY | POTENT | STURDY |
| EXTENSIVE | POWERFUL | THEWY |
| FIBROUS | RUGGED | TOUGH |
| FIRM | SINEWY | WELLKNIT |
| HEFTY | SOLID | WIDE |
| HERCULEAN | STALWART | WIRY |
| HUSKY | STANCH |  |


| $W$ | $G$ | $R$ | $D$ | $R$ | $D$ | $S$ | $Q$ | $Y$ | $Y$ | $W$ | $Y$ | $Z$ | $E$ | $B$ | $Z$ | $O$ | $G$ | $I$ | $I$ | $C$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $B$ | K | $A$ | $D$ | $I$ | $J$ | $T$ | $E$ | $L$ | $O$ | I | V | $A$ | $R$ | $T$ | $L$ | $U$ | $I$ | $T$ | $R$ | $H$ |
| $O$ | $A$ | $Y$ | $S$ | $F$ | $E$ | $G$ | $F$ | $R$ | $N$ | $R$ | $E$ | $P$ | $A$ | $T$ | $V$ | $N$ | $A$ | $D$ | $C$ | $U$ |
| $P$ | $I$ | $C$ | $K$ | $L$ | $E$ | $B$ | $S$ | $I$ | $G$ | $N$ | $A$ | $L$ | $F$ | $H$ | $F$ | $L$ | $V$ | $X$ | $T$ | $S$ |
| $P$ | $Y$ | $G$ | $E$ | $E$ | $A$ | $Z$ | $O$ | $P$ | $R$ | $Y$ | $V$ | $I$ | $E$ | $R$ | $L$ | $L$ | $I$ | $G$ | $H$ | $T$ |
| $Z$ | $Y$ | $Y$ | $G$ | $K$ | $G$ | $M$ | $U$ | $L$ | $D$ | $H$ | $L$ | $V$ | $A$ | $O$ | $U$ | $F$ | $Z$ | $T$ | $C$ | $L$ |
| $R$ | $Y$ | $W$ | $V$ | $X$ | $T$ | $A$ | $P$ | $P$ | $G$ | $A$ | $A$ | $R$ | $W$ | $F$ | $X$ | $F$ | $T$ | $E$ | $C$ | $A$ |
| $I$ | $F$ | $R$ | $E$ | $Z$ | $U$ | $L$ | $G$ | $X$ | $M$ | $T$ | $E$ | $M$ | $S$ | $L$ | $S$ | $N$ | $E$ | $L$ | $A$ | $S$ |
| $L$ | $N$ | $Y$ | $A$ | $C$ | $R$ | $B$ | $C$ | $E$ | $X$ | $D$ | $P$ | $M$ | $B$ | $B$ | $R$ | $E$ | $W$ | $P$ | $N$ | $A$ |
| $L$ | $O$ | $E$ | $R$ | $N$ | $N$ | $U$ | $N$ | $B$ | $L$ | $U$ | $B$ | $A$ | $A$ | $D$ | $D$ | $J$ | $A$ | $M$ | $D$ | $T$ |
| $U$ | $R$ | $R$ | $E$ | $Q$ | $I$ | $T$ | $L$ | $T$ | $V$ | $R$ | $N$ | $A$ | $F$ | $M$ | $O$ | $E$ | $A$ | $A$ | $L$ | $J$ |
| $M$ | $G$ | $U$ | $I$ | $Z$ | $N$ | $M$ | $Y$ | $L$ | $S$ | $A$ | $N$ | $Z$ | $C$ | $L$ | $O$ | $Y$ | $X$ | $L$ | $E$ | $J$ |
| $I$ | $C$ | $T$ | $L$ | $H$ | $D$ | $J$ | $U$ | $E$ | $N$ | $R$ | $E$ | $T$ | $N$ | $A$ | $L$ | $A$ | $M$ | $P$ | $A$ | $D$ |
| $N$ | $G$ | $X$ | $O$ | $F$ | $I$ | $P$ | $W$ | $L$ | $B$ | $A$ | $O$ | $I$ | $V$ | $T$ | $F$ | $L$ | $V$ | $M$ | $Q$ | $V$ |
| $A$ | $A$ | $I$ | $S$ | $L$ | $C$ | $L$ | $V$ | $A$ | $C$ | $U$ | $U$ | $M$ | $T$ | $U$ | $B$ | $E$ | $M$ | $G$ | $X$ | $U$ |
| $N$ | $S$ | $F$ | $A$ | $D$ | $A$ | $F$ | $H$ | $V$ | $U$ | $D$ | $B$ | $R$ | $O$ | $V$ | $X$ | $P$ | $G$ | $Y$ | $L$ | $Z$ |
| $T$ | $J$ | $S$ | $G$ | $H$ | $T$ | $G$ | $L$ | $X$ | $T$ | $U$ | $L$ | $E$ | $O$ | $L$ | $D$ | $E$ | $N$ | $Q$ | $Z$ | $W$ |
| $B$ | $E$ | $A$ | $R$ | $Q$ | $O$ | $A$ | $F$ | $A$ | $N$ | $Y$ | $C$ | $H$ | $A$ | $N$ | $D$ | $E$ | $L$ | $I$ | $E$ | $R$ |
| $J$ | $T$ | $G$ | $K$ | $M$ | $R$ | $S$ | $R$ | $I$ | $R$ | $F$ | $H$ | $H$ | $D$ | $C$ | $D$ | $I$ | $G$ | $V$ | $D$ | $L$ |
| $H$ | $C$ | $R$ | $O$ | $T$ | $C$ | $I$ | $R$ | $T$ | $C$ | $E$ | $L$ | $E$ | $Y$ | $G$ | $O$ | $N$ | $T$ | $Q$ | $M$ | $D$ |
| $Z$ | $W$ | $A$ | $L$ | $L$ | $W$ | $A$ | $S$ | $H$ | $E$ | $R$ | $A$ | $F$ | $R$ | $E$ | $O$ | $N$ | $T$ | $U$ | $B$ | $E$ |

Puzzle 95

BEACON
BULB
CANDLE
CHANDELIER
ELECTRICTORCH
FILAMENT
FLARE
FLOOD
FREONTUBE
GASFIXTURE
GASJET

GASLAMP
GASOLIER
GLOBE
ILLUMINANT
INFRARED
LAMPAD
LAMPLET
LANTERN
LIGHT
LUMINARY
PICKLE

RIFLE
SIGNAL
TAILLIGHT
TALLOW
TAPER
TUBE
TURNINDICATOR
ULTRAVIOLET
VACUUMTUBE
WALLWASHER

| $X$ | $E$ | $P$ | $X$ | $V$ | $E$ | $J$ | $T$ | $U$ | $E$ | $Q$ | $W$ | $E$ | $V$ | $A$ | $L$ | $S$ | $N$ | $E$ | $A$ | $U$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $S$ | $U$ | $T$ | $A$ | $M$ | $Q$ | $V$ | $R$ | $R$ | $T$ | $N$ | $R$ | $J$ | $S$ | $I$ | $A$ | $Z$ | $D$ | $K$ | $I$ | $T$ |
| $R$ | $Q$ | $M$ | $A$ | $D$ | $H$ | I | O | $C$ | $A$ | $A$ | $T$ | $U$ | $R$ | $N$ | $D$ | $Z$ | $E$ | $L$ | $P$ | $G$ |
| $Q$ | $P$ | K | $E$ | $U$ | $H$ | $Y$ | $A$ | $L$ | $Z$ | $N$ | $Y$ | $H$ | $V$ | $K$ | $Z$ | $K$ | $J$ | $C$ | $M$ | $K$ |
| $E$ | $R$ | $U$ | $L$ | $G$ | $T$ | $R$ | $P$ | $S$ | $H$ | $V$ | $S$ | $M$ | $R$ | $D$ | $U$ | $E$ | $F$ | $K$ | $Z$ | $S$ |
| $Y$ | $W$ | $I$ | $D$ | $X$ | $T$ | $A$ | $G$ | $N$ | $W$ | $N$ | $E$ | $P$ | $E$ | $A$ | $T$ | $A$ | $T$ | $N$ | $D$ | $W$ |
| $B$ | $E$ | $W$ | $I$ | $T$ | $C$ | $H$ | $F$ | $S$ | $O$ | $N$ | $N$ | $L$ | $O$ | $A$ | $L$ | $B$ | $U$ | $N$ | $S$ | $F$ |
| $E$ | $V$ | $I$ | $A$ | $C$ | $T$ | $M$ | $Z$ | $N$ | $I$ | $T$ | $I$ | $A$ | $V$ | $R$ | $T$ | $L$ | $R$ | $N$ | $V$ | $P$ |
| $R$ | $Z$ | $T$ | $N$ | $A$ | $H$ | $C$ | $N$ | $E$ | $I$ | $G$ | $I$ | $I$ | $L$ | $Z$ | $T$ | $V$ | $N$ | $V$ | $N$ | $A$ |
| $A$ | $W$ | $A$ | $T$ | $R$ | $N$ | $F$ | $K$ | $W$ | $H$ | $W$ | $T$ | $Z$ | $S$ | $J$ | $E$ | $E$ | $O$ | $X$ | $R$ | $P$ |
| $N$ | $J$ | $B$ | $N$ | $R$ | $X$ | $J$ | $G$ | $T$ | $Z$ | $P$ | $Q$ | $E$ | $E$ | $B$ | $E$ | $M$ | $N$ | $W$ | $A$ | $V$ |
| $S$ | $G$ | $U$ | $T$ | $Y$ | $Q$ | $Q$ | $N$ | $Y$ | $A$ | $R$ | $D$ | $X$ | $S$ | $Q$ | $Z$ | $D$ | $E$ | $S$ | $A$ | $R$ |
| $X$ | $R$ | $O$ | $M$ | $A$ | $N$ | $E$ | $N$ | $C$ | $D$ | $U$ | $B$ | $O$ | $P$ | $E$ | $I$ | $Y$ | $S$ | $Q$ | $E$ | $J$ |
| $D$ | $G$ | $X$ | $N$ | $W$ | $M$ | $Q$ | $L$ | $G$ | $C$ | $Y$ | $D$ | $J$ | $N$ | $T$ | $R$ | $Z$ | $H$ | $R$ | $Z$ | $E$ |
| $A$ | $B$ | $R$ | $I$ | $A$ | $V$ | $T$ | $J$ | $E$ | $R$ | $E$ | $I$ | $R$ | $J$ | $A$ | $E$ | $N$ | $E$ | $O$ | $I$ | $H$ |
| $W$ | $P$ | $V$ | $N$ | $Y$ | $A$ | $W$ | $C$ | $X$ | $A$ | $I$ | $A$ | $C$ | $E$ | $N$ | $M$ | $X$ | $A$ | $U$ | $L$ | $D$ |
| $D$ | $J$ | $N$ | $F$ | $Y$ | $N$ | $L$ | $S$ | $A$ | $O$ | $P$ | $X$ | $T$ | $C$ | $I$ | $S$ | $Q$ | $D$ | $X$ | $A$ | $A$ |
| $W$ | $K$ | $O$ | $L$ | $M$ | $Y$ | $V$ | $I$ | $R$ | $T$ | $C$ | $O$ | $R$ | $H$ | $C$ | $E$ | $X$ | $O$ | $A$ | $T$ | $Z$ |
| $S$ | $Z$ | $V$ | $A$ | $C$ | $P$ | $V$ | $J$ | $U$ | $R$ | $C$ | $M$ | $R$ | $A$ | $S$ | $M$ | $F$ | $Y$ | $P$ | $N$ | $Z$ |
| $N$ | $C$ | $O$ | $M$ | $L$ | $R$ | $R$ | $R$ | $U$ | $W$ | $S$ | $H$ | $L$ | $R$ | $A$ | $V$ | $I$ | $S$ | $H$ | $A$ | $L$ |
| $J$ | $N$ | $P$ | $E$ | $B$ | $M$ | $E$ | $I$ | $T$ | $Z$ | $I$ | $C$ | $K$ | $M$ | $F$ | $E$ | $W$ | $T$ | $H$ | $T$ | $E$ |

## Puzzle 96

| ATTRACT | ENCHANT | MESMERIZE |
| :--- | :--- | :--- |
| BECHARM | ENRAPTURE | RAVISH |
| BEWITCH | ENSLAVE | SEDUCE |
| CAPTIVATE | ENTHRALL | SNARE |
| CARRYAWAY | FASCINATE | TANTALIZE |
| CATCH | HYPNOTIZE | TRANSPORT |
| CHARM | INFATUATE | TURNONESHEAD |
| DAZZLE | INFLAME | VAMP |
| DELIGHT | LOVE |  |
| ENAMOR | LURE |  |

## Tough



## Puzzle 97

| ADJURE | DIRECT | OBLIGATE |
| :--- | :--- | :--- |
| APPOINT | ENACT | ORDER |
| ASSIGN | ENJOIN | PRESCRIBE |
| AUTHORIZE | EXACT | REQUIRE |
| CHARGE | FORCE | RULE |
| COMMAND | GIVEORDERS | SUBPOENA |
| COMPEL | IMPOSEUPON | SUMMON |
| DECREE | INFLICTUPON | TELL |
| DEMAND | INSTRUCT | WARRANT |
| DESIGNATE | LAYON |  |
| DICTATE | MAKE |  |



## Puzzle 98

ANATOMY
ATTITUDE
BACKING
BODY
BORDER
BUILD
CASE
CHASSIS
CONTOUR
DESIGN
DISPOSITION

FIGURE
FRAME
HOUSING
MAKE
MOLD
MOOD
MOUNTING
NATURE
OUTLINE
PHYSIQUE
SCHEME

SETTING
SHAPE
SKELETON
STATE
STRUCTURE
SYSTEM
TEMPERAMENT
CONSTRUCTION
HULL
$\left.\begin{array}{|lllllllllllllllllllll|}R R & T & X & M & U & D & U & W & W & H & S & U & L & B & R & K & U & S & G & B & R \\ E & B & T & W & M & I & N & N & G & B & F & S & V & R & U & O & S & H & Y & C & C \\ K & G & D & S & P & A & R & K & L & E & G & L & E & A & M & J & L & M & E & G & V \\ C & R & E & J & O & P & J & X & V & A & Z & R & W & N & Z & Q & Y & O & L & A & U \\ I & E & T & C & Y & U & L & E & K & G & M & V & A & R & T & R & K & I & C & J & T \\ L & D & A & I & F & E & R & V & O & R & M & P & R & D & E & H & M & H & I & O & E \\ F & L & M & S & N & F & I & R & E & W & P & M & M & T & I & M & G & P & O & C & U \\ O & O & I & J & X & G & R & O & G & O & L & S & T & U & E & A & Y & I & N & H & N \\ K & M & N & G & N & L & L & T & K & L & G & I & H & R & X & T & N & E & R & S & O \\ H & S & A & Y & H & B & Y & E & F & G & L & Z & B & S & I & D & C & C & H & B & I \\ G & K & Q & B & W & T & A & K & P & G & X & L & H & S & J & S & R & I & E & F & T \\ G & V & Z & L & C & S & F & N & W & V & O & I & N & G & E & Y & M & K & J & J & A \\ I & E & V & W & V & L & K & G & T & O & N & E & V & B & T & M & X & J & A & A & I \\ D & E & Z & I & U & F & L & A & M & E & T & W & U & S & E & O & T & S & U & G & D \\ K & H & J & S & V & A & O & L & W & N & F & R & C & R & B & I & Y & U & J & H & A \\ E & M & H & D & E & I & U & I & I & Y & L & V & B & Q & N & Q & B & A & K & N & R \\ I & J & R & W & K & C & D & Q & G & Y & F & E & K & P & U & I & W & U & P & S & W \\ C & D & W & M & L & N & F & N & K & B & X & U & Z & E & Q & C & Z & J & R & W & C \\ E & S & S & S & E & N & H & S & E & R & F & M & D & A & A & Y & A & K & W & N & P \\ Y & U & J & Y & O & W & O & O & B & S & B & P & R & S & E & G & U & A & C & A & A \\ C & L & K & H & Y & I & Y & H & V & X & S & R & U & G & J & T & E & Z & C & W & T\end{array}\right]$

Puzzle 99

| ANIMATED | FLUSH | RADIANCE |
| :--- | :--- | :--- |
| BLOOM | FRESHNESS | RADIATION |
| BLUSH | GLEAM | RUBESCENCE |
| BRIGHTNESS | GLIMMER | SHIMMER |
| BURN | GLITTER | SHINE |
| COLOR | GLOW | SMOLDER |
| FERVOR | GUSTO | SPARKLE |
| FEVER | HEAT | TINGLE |
| FIRE | INTENSITY | VIVIDNESS |
| FLAME | LAMP | WARMTH |
| FLICKER | LIGHT |  |


| $C$ | $B$ | $K$ | $N$ | $A$ | $Z$ | $H$ | $G$ | $B$ | $Y$ | $U$ | $T$ | $Y$ | $R$ | $T$ | $G$ | $U$ | $I$ | $D$ | $E$ | $L$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $N$ | $E$ | $C$ | $L$ | $V$ | $W$ | $U$ | $D$ | $F$ | $U$ | $D$ | $H$ | $B$ | $W$ | $E$ | $H$ | $P$ | $C$ | $M$ | $Y$ | $X$ |
| $R$ | $I$ | $D$ | $N$ | $A$ | $M$ | $M$ | $O$ | $C$ | $T$ | $Y$ | I | O | $U$ | $H$ | $H$ | $L$ | $F$ | $O$ | $T$ | $T$ |
| E | $U$ | $T$ | $N$ | $A$ | $D$ | $N$ | $E$ | $T$ | $T$ | $A$ | $K$ | $R$ | $N$ | $I$ | $A$ | $S$ | $C$ | $V$ | $I$ | $D$ |
| $T$ | $S$ | $L$ | $R$ | $K$ | $L$ | $V$ | $T$ | $N$ | $J$ | $E$ | $L$ | $A$ | $E$ | $C$ | $R$ | $O$ | $U$ | $N$ | $F$ | $D$ |
| $T$ | $L$ | $T$ | $B$ | $W$ | $F$ | $C$ | $I$ | $J$ | $Y$ | $F$ | $U$ | $O$ | $M$ | $C$ | $U$ | $E$ | $C$ | $Q$ | $R$ | $Q$ |
| $A$ | $T$ | $B$ | $G$ | $W$ | $U$ | $Y$ | $T$ | $S$ | $W$ | $K$ | $D$ | $A$ | $R$ | $N$ | $T$ | $V$ | $E$ | $E$ | $O$ | $E$ |
| $P$ | $N$ | $J$ | $Q$ | $D$ | $T$ | $F$ | $O$ | $X$ | $O$ | $L$ | $P$ | $B$ | $S$ | $T$ | $F$ | $P$ | $H$ | $T$ | $L$ | $Y$ |
| $N$ | $X$ | $Z$ | $N$ | $F$ | $W$ | $V$ | $S$ | $V$ | $Y$ | $R$ | $U$ | $E$ | $O$ | $Y$ | $N$ | $P$ | $M$ | $D$ | $S$ | $S$ |
| $K$ | $B$ | $O$ | $G$ | $U$ | $D$ | $V$ | $J$ | $C$ | $N$ | $T$ | $L$ | $C$ | $H$ | $Z$ | $E$ | $O$ | $N$ | $E$ | $A$ | $D$ |
| $D$ | $C$ | $Y$ | $H$ | $G$ | $U$ | $B$ | $C$ | $Y$ | $L$ | $O$ | $E$ | $B$ | $P$ | $H$ | $T$ | $A$ | $C$ | $L$ | $C$ | $H$ |
| $R$ | $G$ | $P$ | $Q$ | $D$ | $A$ | $R$ | $L$ | $E$ | $R$ | $L$ | $C$ | $G$ | $S$ | $G$ | $H$ | $K$ | $T$ | $E$ | $C$ | $E$ |
| $Q$ | $U$ | $Q$ | $O$ | $I$ | $L$ | $T$ | $R$ | $I$ | $P$ | $L$ | $E$ | $D$ | $O$ | $M$ | $G$ | $R$ | $O$ | $S$ | $O$ | $J$ |
| $Z$ | $Z$ | $L$ | $O$ | $G$ | $J$ | $E$ | $E$ | $M$ | $A$ | $R$ | $S$ | $H$ | $A$ | $L$ | $T$ | $F$ | $L$ | $L$ | $M$ | $N$ |
| $M$ | $G$ | $P$ | $E$ | $A$ | $G$ | $U$ | $A$ | $K$ | $T$ | $R$ | $O$ | $C$ | $S$ | $E$ | $E$ | $A$ | $I$ | $S$ | $P$ | $D$ |
| $L$ | $O$ | $S$ | $J$ | $U$ | $I$ | $X$ | $D$ | $M$ | $E$ | $W$ | $A$ | $N$ | $L$ | $A$ | $A$ | $A$ | $P$ | $S$ | $A$ | $C$ |
| $N$ | $C$ | $N$ | $L$ | $I$ | $E$ | $B$ | $Z$ | $N$ | $U$ | $E$ | $L$ | $P$ | $U$ | $M$ | $C$ | $Y$ | $D$ | $Z$ | $N$ | $C$ |
| $C$ | $E$ | $A$ | $I$ | $R$ | $O$ | $T$ | $N$ | $E$ | $M$ | $F$ | $P$ | $C$ | $T$ | $P$ | $H$ | $O$ | $W$ | $E$ | $Y$ | $I$ |
| $W$ | $T$ | $A$ | $M$ | $T$ | $G$ | $Q$ | $L$ | $C$ | $K$ | $Z$ | $N$ | $E$ | $T$ | $A$ | $E$ | $D$ | $Z$ | $Y$ | $R$ | $J$ |
| $E$ | $S$ | $U$ | $I$ | $T$ | $O$ | $I$ | $A$ | $W$ | $D$ | $Y$ | $Z$ | $W$ | $R$ | $O$ | $R$ | $Z$ | $N$ | $M$ | $Y$ | $N$ |
| $O$ | $K$ | $C$ | $F$ | $W$ | $Z$ | $R$ | $T$ | $I$ | $M$ | $B$ | $G$ | $A$ | $K$ | $H$ | $J$ | $K$ | $A$ | $L$ | $T$ | $G$ |

## Puzzle 100

| ACCOMPANY | ESCORT | PATTERN |
| :--- | :--- | :--- |
| ADVISOR | EXAMPLE | PILOT |
| ATTENDANT | GATEKEEPER | REGULATE |
| BUTLER | GUIDE | RULE |
| COMMAND | HANDLE | SHEPHERD |
| CONDUCT | LEADER | STEER |
| CONTROL | MARSHAL | TEACHER |
| CONVOY | MENTOR | USHER |
| COUNSELOR | MODEL |  |
| DIRECT | MONITOR |  |


| $D$ | $A$ | $O$ | $L$ | $P$ | $Q$ | $D$ | $X$ | $F$ | $V$ | $Q$ | $B$ | $T$ | $B$ | $D$ | $W$ | $P$ | $M$ | $B$ | $J$ | $X$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $B$ | $P$ | $Y$ | $G$ | $G$ | $J$ | $J$ | $G$ | $P$ | $Y$ | $C$ | $E$ | $O$ | $L$ | $A$ | $I$ | $O$ | $F$ | $F$ | $U$ | $B$ |
| $P$ | $Q$ | $R$ | $Y$ | $D$ | $B$ | $T$ | $F$ | $D$ | $V$ | $N$ | $L$ | $Y$ | $U$ | $Z$ | $A$ | $G$ | $L$ | $E$ | $A$ | $M$ |
| $L$ | $U$ | $T$ | $V$ | $S$ | $S$ | $E$ | $N$ | $T$ | $H$ | $G$ | $I$ | $R$ | $B$ | $Z$ | $J$ | $L$ | $X$ | $G$ | $H$ | $R$ |
| $E$ | $U$ | $M$ | $N$ | $E$ | $S$ | $V$ | $E$ | $K$ | $Y$ | $A$ | $D$ | $I$ | $X$ | $L$ | $K$ | $K$ | $E$ | $G$ | $S$ | $B$ |
| $N$ | $D$ | $C$ | $I$ | $J$ | $V$ | $U$ | $C$ | $C$ | $P$ | $R$ | $E$ | $M$ | $M$ | $I$ | $H$ | $S$ | $F$ | $K$ | $I$ | $R$ |
| $E$ | $A$ | $Q$ | $E$ | $C$ | $S$ | $Z$ | $E$ | $R$ | $N$ | $A$ | $M$ | $C$ | $Z$ | $N$ | $K$ | $I$ | $X$ | $Q$ | $L$ | $I$ |
| $G$ | $H$ | $H$ | $E$ | $N$ | $E$ | $U$ | $C$ | $Z$ | $T$ | $A$ | $R$ | $B$ | $M$ | $G$ | $N$ | $B$ | $O$ | $O$ | $O$ | $L$ |
| $E$ | $E$ | $O$ | $N$ | $W$ | $T$ | $X$ | $N$ | $N$ | $V$ | $A$ | $H$ | $W$ | $J$ | $E$ | $J$ | $P$ | $R$ | $S$ | $P$ | $L$ |
| $C$ | $V$ | $K$ | $C$ | $E$ | $G$ | $L$ | $A$ | $Z$ | $E$ | $P$ | $P$ | $N$ | $S$ | $T$ | $X$ | $M$ | $G$ | $U$ | $D$ | $I$ |
| $U$ | $A$ | $M$ | $C$ | $T$ | $J$ | $I$ | $G$ | $J$ | $E$ | $F$ | $O$ | $S$ | $E$ | $C$ | $C$ | $R$ | $G$ | $X$ | $Y$ | $A$ |
| $V$ | $H$ | $J$ | $C$ | $N$ | $D$ | $G$ | $E$ | $F$ | $N$ | $P$ | $E$ | $E$ | $R$ | $J$ | $A$ | $E$ | $Z$ | $V$ | $R$ | $N$ |
| $I$ | $S$ | $S$ | $O$ | $A$ | $Y$ | $C$ | $L$ | $L$ | $E$ | $V$ | $Y$ | $Z$ | $Q$ | $H$ | $W$ | $S$ | $F$ | $E$ | $U$ | $C$ |
| $L$ | $R$ | $O$ | $R$ | $L$ | $E$ | $X$ | $E$ | $N$ | $A$ | $C$ | $V$ | $I$ | $E$ | $Q$ | $K$ | $H$ | $T$ | $R$ | $R$ | $E$ |
| $H$ | $B$ | $K$ | $R$ | $I$ | $S$ | $X$ | $I$ | $X$ | $U$ | $A$ | $Y$ | $B$ | $Q$ | $E$ | $C$ | $S$ | $H$ | $I$ | $E$ | $B$ |
| $G$ | $C$ | $N$ | $E$ | $T$ | $P$ | $F$ | $R$ | $E$ | $T$ | $S$ | $U$ | $L$ | $S$ | $F$ | $J$ | $I$ | $T$ | $V$ | $R$ | $P$ |
| $Z$ | $V$ | $K$ | $C$ | $U$ | $E$ | $S$ | $U$ | $P$ | $W$ | $R$ | $G$ | $L$ | $O$ | $S$ | $S$ | $N$ | $O$ | $N$ | $A$ | $N$ |
| $C$ | $O$ | $H$ | $T$ | $R$ | $N$ | $W$ | $H$ | $L$ | $N$ | $E$ | $H$ | $W$ | $Q$ | $C$ | $S$ | $R$ | $O$ | $Q$ | $L$ | $E$ |
| $L$ | $F$ | $W$ | $P$ | $I$ | $Y$ | $Z$ | $V$ | $I$ | $N$ | $R$ | $K$ | $M$ | $B$ | $X$ | $P$ | $A$ | $M$ | $G$ | $G$ | $E$ |
| $L$ | $D$ | $V$ | $T$ | $P$ | $L$ | $U$ | $S$ | $F$ | $N$ | $H$ | $F$ | $Q$ | $T$ | $M$ | $L$ | $V$ | $S$ | $X$ | $L$ | $H$ |
| $A$ | $F$ | $M$ | $M$ | $X$ | $Y$ | $H$ | $J$ | $J$ | $V$ | $E$ | $U$ | $D$ | $I$ | $J$ | $F$ | $Z$ | $E$ | $Z$ | $B$ | $S$ |

Puzzle 101

| AGLEAM | GLARE | POLISH |
| :--- | :--- | :--- |
| BRIGHTNESS | GLAZE | PUMICE |
| BRILLIANCE | GLEAM | RADIANT |
| BUFF | GLOSS | REFINE |
| BURNISH | GLOW | RUTILANT |
| CORRECT | IMPROVE | SHEEN |
| DAZZLING | IRRADIANT | SHIMMER |
| ELEGANCE | LUCENT | SHINE |
| ENHANCE | LUSTER | SMOOTH |
| FINESSE | PERFECT | VARNISH |


| $G$ | $L$ | $T$ | $N$ | $F$ | $Z$ | $S$ | $M$ | $T$ | $P$ | $J$ | $Q$ | $V$ | $J$ | $L$ | $Z$ | $S$ | $C$ | $J$ | $Y$ | $D$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $F$ | $Z$ | $V$ | $K$ | $C$ | $W$ | $H$ | $G$ | $V$ | $F$ | $F$ | $F$ | $O$ | $W$ | $O$ | $H$ | $S$ | $P$ | $F$ | $E$ | $W$ |
| $F$ | $Q$ | $S$ | $U$ | $O$ | $P$ | $M$ | $O$ | $P$ | $V$ | $X$ | $N$ | $Q$ | $N$ | $S$ | $G$ | $A$ | $J$ | $X$ | $T$ | $A$ |
| $M$ | $C$ | $A$ | $X$ | $G$ | $C$ | $E$ | $U$ | $A$ | $M$ | $I$ | $A$ | $J$ | $U$ | $J$ | $R$ | $J$ | $V$ | $A$ | $G$ | $P$ |
| $W$ | $G$ | $H$ | $D$ | $D$ | $T$ | $E$ | $I$ | $R$ | $R$ | $T$ | I | $C$ | $W$ | $A$ | $B$ | $F$ | $W$ | $I$ | $Q$ | $X$ |
| $J$ | $C$ | $Z$ | $L$ | $A$ | $Y$ | $N$ | $T$ | $T$ | $D$ | $E$ | $T$ | $B$ | $D$ | $S$ | $V$ | $L$ | $B$ | $F$ | $W$ | $T$ |
| I | $N$ | $O$ | $L$ | $Q$ | $G$ | $R$ | $R$ | $R$ | $N$ | $E$ | $G$ | $E$ | $R$ | $M$ | $C$ | $K$ | $M$ | $F$ | $E$ | $V$ |
| $J$ | $N$ | $F$ | $N$ | $L$ | $Z$ | $E$ | $U$ | $H$ | $E$ | $A$ | $H$ | $G$ | $E$ | $D$ | $L$ | $M$ | $Y$ | $T$ | $M$ | $Y$ |
| $G$ | $N$ | $V$ | $O$ | $C$ | $Z$ | $F$ | $M$ | $K$ | $R$ | $T$ | $G$ | $T$ | $A$ | $A$ | $F$ | $T$ | $I$ | $C$ | $T$ | $B$ |
| $I$ | $T$ | $R$ | $I$ | $D$ | $E$ | $J$ | $P$ | $U$ | $U$ | $X$ | $S$ | $O$ | $T$ | $W$ | $U$ | $K$ | $F$ | $H$ | $Y$ | $X$ |
| $Z$ | $Y$ | $I$ | $J$ | $B$ | $S$ | $I$ | $E$ | $R$ | $H$ | $F$ | $G$ | $U$ | $R$ | $A$ | $S$ | $D$ | $G$ | $F$ | $K$ | $O$ |
| $H$ | $Y$ | $K$ | $C$ | $O$ | $C$ | $U$ | $T$ | $S$ | $S$ | $Q$ | $A$ | $M$ | $L$ | $R$ | $E$ | $U$ | $U$ | $W$ | $Y$ | $D$ |
| $S$ | $M$ | $V$ | $M$ | $J$ | $G$ | $S$ | $R$ | $E$ | $T$ | $S$ | $I$ | $O$ | $R$ | $B$ | $A$ | $B$ | $R$ | $E$ | $Y$ | $A$ |
| $B$ | $B$ | $F$ | $K$ | $L$ | $C$ | $K$ | $L$ | $K$ | $M$ | $O$ | $L$ | $T$ | $E$ | $H$ | $R$ | $U$ | $V$ | $G$ | $O$ | $V$ |
| $K$ | $P$ | $U$ | $D$ | $E$ | $F$ | $F$ | $U$ | $P$ | $V$ | $A$ | $U$ | $N$ | $T$ | $A$ | $H$ | $W$ | $P$ | $V$ | $T$ | $A$ |
| $G$ | $H$ | $C$ | $R$ | $B$ | $P$ | $B$ | $S$ | $Z$ | $O$ | $F$ | $D$ | $S$ | $G$ | $J$ | $O$ | $G$ | $T$ | $H$ | $R$ | $R$ |
| $R$ | $H$ | $V$ | $U$ | $R$ | $E$ | $M$ | $B$ | $L$ | $A$ | $Z$ | $O$ | $N$ | $A$ | $W$ | $T$ | $P$ | $G$ | $F$ | $T$ | $B$ |
| $D$ | $F$ | $L$ | $A$ | $U$ | $N$ | $T$ | $F$ | $L$ | $S$ | $H$ | $A$ | $U$ | $P$ | $O$ | $A$ | $Y$ | $R$ | $S$ | $J$ | $R$ |
| $R$ | $Q$ | $I$ | $W$ | $S$ | $A$ | $O$ | $I$ | $T$ | $J$ | $O$ | $N$ | $E$ | $X$ | $U$ | $I$ | $E$ | $A$ | $O$ | $F$ | $K$ |
| $A$ | $S$ | $F$ | $O$ | $H$ | $C$ | $U$ | $M$ | $E$ | $K$ | $A$ | $M$ | $H$ | $G$ | $E$ | $R$ | $O$ | $M$ | $Y$ | $U$ | $W$ |
| $E$ | $D$ | $H$ | $T$ | $D$ | $Y$ | $N$ | $M$ | $B$ | $E$ | $A$ | $R$ | $Z$ | $W$ | $L$ | $B$ | $K$ | $E$ | $M$ | $B$ | $D$ |

## Puzzle 102

| ARROGANT | HAUGHTY | SHOWOFF |
| :--- | :--- | :--- |
| BEATTHEDRUM | HOTAIR | SKITE |
| BLUSTER | INFLATE | STRUT |
| BOAST | MAKEMUCHOF | SWAGGER |
| BRAG | PARADE | TALKBIG |
| BRAVADO | POMPOUS | TRUMPET |
| COCKY | PROUD | VAINGLORY |
| CONCEIT | PUFFEDUP | VAUNT |
| EMBLAZON | ROISTER |  |
| FLAUNT | SELFPRAISE |  |

## 82

| $R$ | $C$ | $E$ | $G$ | $N$ | $E$ | $L$ | $L$ | $A$ | $H$ | $C$ | $B$ | $X$ | $E$ | $V$ | $W$ | $W$ | $I$ | $I$ | $F$ | $Y$ | $D$ | $M$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $P$ | $A$ | $U$ | $B$ | $O$ | $E$ | $U$ | $T$ | $U$ | $X$ | $Y$ | $O$ | $D$ | $T$ | $J$ | $I$ | $Z$ | $U$ | $J$ | $N$ | $W$ | $T$ | $L$ |
| $Z$ | $B$ | $B$ | $T$ | $E$ | $X$ | $B$ | $B$ | $N$ | $Y$ | $P$ | $U$ | $M$ | $E$ | $K$ | $Q$ | $H$ | $B$ | $K$ | $O$ | $C$ | $C$ | $A$ |
| $S$ | $E$ | $K$ | $A$ | $T$ | $S$ | $P$ | $E$ | $E$ | $W$ | $S$ | $T$ | $R$ | $P$ | $T$ | $T$ | $U$ | $P$ | $A$ | $I$ | $O$ | $L$ | $V$ |
| $V$ | $R$ | $A$ | $W$ | $R$ | $H$ | $T$ | $O$ | $E$ | $E$ | $H$ | $M$ | $G$ | $M$ | $E$ | $R$ | $I$ | $O$ | $P$ | $T$ | $N$ | $A$ | $I$ |
| $A$ | $J$ | $U$ | $O$ | $Y$ | $V$ | $R$ | $C$ | $N$ | $M$ | $Y$ | $I$ | $E$ | $O$ | $A$ | $T$ | $A$ | $X$ | $F$ | $N$ | $F$ | $S$ | $R$ |
| $X$ | $T$ | $Y$ | $L$ | $T$ | $W$ | $O$ | $O$ | $H$ | $P$ | $A$ | $Y$ | $D$ | $C$ | $Y$ | $P$ | $I$ | $C$ | $H$ | $E$ | $L$ | $H$ | $R$ |
| $S$ | $R$ | $H$ | $O$ | $L$ | $V$ | $N$ | $V$ | $A$ | $R$ | $T$ | $G$ | $K$ | $S$ | $B$ | $Z$ | $I$ | $T$ | $M$ | $T$ | $I$ | $V$ | $O$ |
| $L$ | $R$ | $U$ | $L$ | $A$ | $O$ | $L$ | $E$ | $Y$ | $T$ | $D$ | $Z$ | $P$ | $X$ | $S$ | $I$ | $N$ | $Y$ | $I$ | $N$ | $C$ | $N$ | $P$ |
| $E$ | $E$ | $X$ | $K$ | $E$ | $Q$ | $G$ | $U$ | $D$ | $N$ | $X$ | $K$ | $N$ | $N$ | $B$ | $A$ | $B$ | $L$ | $E$ | $O$ | $T$ | $U$ | $Y$ |
| $L$ | $T$ | $A$ | $N$ | $K$ | $T$ | $X$ | $H$ | $O$ | $I$ | $O$ | $C$ | $T$ | $N$ | $J$ | $P$ | $U$ | $H$ | $F$ | $C$ | $N$ | $R$ | $O$ |
| $A$ | $N$ | $O$ | $D$ | $C$ | $F$ | $I$ | $I$ | $P$ | $J$ | $S$ | $S$ | $W$ | $N$ | $H$ | $G$ | $E$ | $F$ | $I$ | $T$ | $Q$ | $F$ | $U$ |
| $U$ | $U$ | $C$ | $A$ | $X$ | $Q$ | $T$ | $C$ | $M$ | $F$ | $T$ | $R$ | $R$ | $T$ | $E$ | $P$ | $G$ | $F$ | $R$ | $U$ | $C$ | $I$ | $I$ |
| $R$ | $O$ | $Y$ | $V$ | $H$ | $I$ | $M$ | $D$ | $E$ | $R$ | $F$ | $A$ | $E$ | $G$ | $Z$ | $M$ | $U$ | $D$ | $T$ | $R$ | $E$ | $F$ | $T$ |
| $E$ | $C$ | $A$ | $R$ | $S$ | $J$ | $F$ | $O$ | $U$ | $V$ | $Y$ | $O$ | $T$ | $H$ | $R$ | $Y$ | $E$ | $O$ | $S$ | $K$ | $I$ | $O$ | $G$ |
| $A$ | $N$ | $T$ | $O$ | $S$ | $Z$ | $S$ | $G$ | $Z$ | $X$ | $E$ | $R$ | $T$ | $Q$ | $T$ | $Y$ | $Q$ | $G$ | $W$ | $T$ | $U$ | $M$ | $H$ |
| $V$ | $E$ | $P$ | $Y$ | $Q$ | $I$ | $G$ | $E$ | $U$ | $M$ | $U$ | $N$ | $Q$ | $T$ | $I$ | $O$ | $V$ | $W$ | $A$ | $R$ | $N$ | $X$ | $V$ |
| $G$ | $P$ | $O$ | $E$ | $I$ | $L$ | $H$ | $A$ | $G$ | $C$ | $O$ | $N$ | $T$ | $E$ | $S$ | $T$ | $C$ | $H$ | $N$ | $G$ | $P$ | $F$ | $W$ |
| $O$ | $P$ | $Q$ | $K$ | $E$ | $Y$ | $N$ | $T$ | $V$ | $I$ | $H$ | $W$ | $S$ | $E$ | $E$ | $S$ | $Y$ | $A$ | $V$ | $V$ | $N$ | $Q$ | $C$ |
| $C$ | $X$ | $P$ | $P$ | $K$ | $Y$ | $N$ | $D$ | $S$ | $G$ | $Z$ | $Y$ | $N$ | $M$ | $F$ | $B$ | $M$ | $S$ | $V$ | $J$ | $Q$ | $E$ | $R$ |
| $E$ | $R$ | $X$ | $N$ | $S$ | $J$ | $F$ | $O$ | $N$ | $L$ | $E$ | $T$ | $S$ | $M$ | $G$ | $E$ | $O$ | $K$ | $T$ | $H$ | $G$ | $I$ | $F$ |
| $R$ | $H$ | $C$ | $T$ | $A$ | $M$ | $C$ | $G$ | $F$ | $X$ | $G$ | $V$ | $E$ | $F$ | $N$ | $G$ | $E$ | $H$ | $U$ | $N$ | $M$ | $Z$ | $A$ |
| $I$ | $N$ | $M$ | $K$ | $W$ | $C$ | $G$ | $A$ | $R$ | $E$ | $D$ | $N$ | $E$ | $T$ | $N$ | $O$ | $C$ | $A$ | $G$ | $S$ | $R$ | $Y$ | $N$ |

## Puzzle 103

| ATHLETICEVENT | CUTTHROAT | OPPOSITION |
| :--- | :--- | :--- |
| BOUT | DOGEATDOG | OTHERSIDE |
| CHALLENGE | ENCOUNTER | RACE |
| CLASH | ENGAGEMENT | RETRACE |
| COMPETE | FIGHT | RIVAL |
| COMPETITION | GAME | STRIFE |
| CONFLICT | INFIGHTING | STRUGGLE |
| CONTENDER | MATCH | SWEEPSTAKES |
| CONTENTION | MEET | TOURNAMENT |
| CONTEST | ONEONONE |  |


| $N$ | $A$ | $U$ | $K$ | $Q$ | $P$ | $T$ | $N$ | $O$ | $J$ | $S$ | $E$ | $P$ | $T$ | $J$ | $A$ | $I$ | $O$ | $H$ | $X$ | $M$ | $B$ | $K$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $G$ | $I$ | $Q$ | $D$ | $U$ | $A$ | $S$ | $J$ | $C$ | $F$ | $D$ | $X$ | $L$ | $I$ | $T$ | $K$ | $H$ | $U$ | $B$ | $L$ | $O$ | $C$ | $K$ |
| $B$ | $P$ | $A$ | $T$ | $F$ | $I$ | $S$ | $G$ | $O$ | $B$ | $O$ | $O$ | $N$ | $Y$ | $E$ | $J$ | $E$ | $M$ | $V$ | $W$ | $M$ | $W$ | $A$ |
| $A$ | $S$ | $E$ | $G$ | $Q$ | $A$ | $Z$ | $S$ | $X$ | $O$ | $A$ | $R$ | $D$ | $Q$ | $T$ | $Z$ | $K$ | $R$ | $R$ | $M$ | $F$ | $H$ | $R$ |
| $A$ | $S$ | $J$ | $Z$ | $W$ | $R$ | $S$ | $W$ | $E$ | $T$ | $M$ | $D$ | $M$ | $G$ | $A$ | $S$ | $T$ | $C$ | $R$ | $E$ | $A$ | $T$ | $E$ |
| $F$ | $B$ | $K$ | $E$ | $L$ | $T$ | $H$ | $H$ | $E$ | $M$ | $R$ | $X$ | $X$ | $A$ | $E$ | $R$ | $U$ | $T$ | $C$ | $U$ | $R$ | $T$ | $S$ |
| $S$ | $G$ | $U$ | $E$ | $N$ | $B$ | $G$ | $I$ | $I$ | $E$ | $B$ | $J$ | $B$ | $F$ | $T$ | $Y$ | $J$ | $F$ | $O$ | $T$ | $E$ | $R$ | $F$ |
| $U$ | $F$ | $P$ | $E$ | $V$ | $R$ | $I$ | $Z$ | $W$ | $O$ | $V$ | $L$ | $D$ | $I$ | $Y$ | $Z$ | $W$ | $Q$ | $K$ | $J$ | $T$ | $X$ | $E$ |
| $O$ | $H$ | $V$ | $K$ | $T$ | $F$ | $A$ | $U$ | $A$ | $Q$ | $N$ | $V$ | $E$ | $S$ | $O$ | $P$ | $M$ | $O$ | $C$ | $V$ | $A$ | $D$ | $R$ |
| $B$ | $N$ | $D$ | $L$ | $A$ | $P$ | $A$ | $Z$ | $A$ | $H$ | $T$ | $W$ | $H$ | $R$ | $S$ | $I$ | $B$ | $B$ | $U$ | $I$ | $L$ | $D$ | $U$ |
| $I$ | $M$ | $K$ | $J$ | $W$ | $U$ | $R$ | $B$ | $J$ | $P$ | $E$ | $N$ | $L$ | $O$ | $N$ | $M$ | $Z$ | $W$ | $L$ | $Y$ | $U$ | $O$ | $T$ |
| $M$ | $Z$ | $O$ | $X$ | $M$ | $T$ | $P$ | $O$ | $R$ | $T$ | $O$ | $W$ | $T$ | $Q$ | $B$ | $H$ | $T$ | $G$ | $H$ | $E$ | $M$ | $S$ | $P$ |
| $H$ | $C$ | $P$ | $R$ | $S$ | $T$ | $Q$ | $B$ | $D$ | $I$ | $M$ | $E$ | $X$ | $C$ | $P$ | $I$ | $Y$ | $C$ | $I$ | $L$ | $R$ | $M$ | $L$ |
| $P$ | $I$ | $F$ | $H$ | $F$ | $O$ | $P$ | $J$ | $G$ | $U$ | $C$ | $N$ | $B$ | $M$ | $U$ | $I$ | $L$ | $U$ | $A$ | $O$ | $O$ | $E$ | $U$ |
| $C$ | $L$ | $J$ | $X$ | $W$ | $G$ | $C$ | $Q$ | $E$ | $A$ | $C$ | $A$ | $M$ | $D$ | $R$ | $R$ | $Q$ | $N$ | $Z$ | $L$ | $F$ | $K$ | $C$ |
| $L$ | $C$ | $K$ | $Z$ | $P$ | $E$ | $G$ | $N$ | $C$ | $V$ | $Q$ | $E$ | $T$ | $A$ | $C$ | $P$ | $T$ | $E$ | $D$ | $J$ | $I$ | $A$ | $S$ |
| $A$ | $P$ | $A$ | $T$ | $E$ | $T$ | $L$ | $S$ | $Z$ | $X$ | $Y$ | $D$ | $G$ | $E$ | $P$ | $A$ | $H$ | $S$ | $V$ | $A$ | $X$ | $M$ | $F$ |
| $Y$ | $C$ | $T$ | $S$ | $D$ | $H$ | $J$ | $Y$ | $D$ | $J$ | $Y$ | $K$ | $E$ | $B$ | $W$ | $S$ | $A$ | $I$ | $N$ | $E$ | $T$ | $X$ | $E$ |
| $O$ | $X$ | $N$ | $Y$ | $T$ | $E$ | $S$ | $N$ | $S$ | $U$ | $S$ | $C$ | $Z$ | $L$ | $W$ | $K$ | $O$ | $A$ | $N$ | $O$ | $R$ | $F$ | $R$ |
| $U$ | $A$ | $Z$ | $Y$ | $A$ | $R$ | $E$ | $R$ | $U$ | $T$ | $C$ | $A$ | $F$ | $U$ | $N$ | $A$ | $M$ | $R$ | $V$ | $R$ | $C$ | $O$ | $E$ |
| $T$ | $S$ | $T$ | $U$ | $O$ | $R$ | $E$ | $M$ | $M$ | $A$ | $H$ | $S$ | $B$ | $W$ | $A$ | $Y$ | $M$ | $G$ | $Y$ | $S$ | $B$ | $R$ | $C$ |
| $N$ | $G$ | $I$ | $S$ | $E$ | $D$ | $G$ | $S$ | $I$ | $H$ | $Y$ | $D$ | $C$ | $T$ | $T$ | $I$ | $O$ | $L$ | $D$ | $Q$ | $Q$ | $G$ | $T$ |
| $R$ | $S$ | $U$ | $B$ | $E$ | $M$ | $A$ | $R$ | $F$ | $S$ | $D$ | $S$ | $E$ | $S$ | $I$ | $V$ | $E$ | $D$ | $K$ | $P$ | $D$ | $E$ | $W$ |

## Puzzle 104

| ASSEMBLE | FASHION | MOLD |
| :--- | :--- | :--- |
| BLOCK | FORGE | PRODUCE |
| BUILD | FORMAT | PUTTOGETHER |
| CAST | FORMULATE | RAISE |
| COMPOSE | FRAME | SCULPTURE |
| CONSTRUCT | FROM | SETUP |
| CREATE | HAMMEROUT | SHAPE |
| DESIGN | INVENT | STRUCTURE |
| DEVISE | LAYOUT | STYLE |
| ERECT | MAKE |  |
| FABRICATE | MANUFACTURE |  |


| $L$ | $E$ | $G$ | $A$ | $M$ | $M$ | $I$ | $R$ | $C$ | $S$ | $E$ | $C$ | $O$ | $N$ | $F$ | $L$ | $I$ | $C$ | $T$ | $E$ | $W$ | $N$ | $V$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $O$ | $D$ | $Y$ | $S$ | $F$ | $C$ | $A$ | $C$ | $L$ | $T$ | $C$ | $G$ | $M$ | $H$ | $U$ | $Q$ | $S$ | $M$ | $N$ | $O$ | $O$ | $D$ | $A$ |
| $R$ | $D$ | $U$ | $H$ | $C$ | $O$ | $A$ | $X$ | $X$ | $L$ | $A$ | $C$ | $A$ | $D$ | $R$ | $O$ | $P$ | $C$ | $H$ | $H$ | $V$ | $B$ | $R$ |
| $B$ | $E$ | $Q$ | $B$ | $F$ | $I$ | $H$ | $N$ | $I$ | $U$ | $R$ | $K$ | $T$ | $W$ | $F$ | $V$ | $O$ | $E$ | $T$ | $U$ | $A$ | $O$ | $U$ |
| $L$ | $R$ | $Z$ | $S$ | $I$ | $T$ | $P$ | $A$ | $I$ | $D$ | $N$ | $L$ | $C$ | $J$ | $M$ | $U$ | $A$ | $A$ | $L$ | $T$ | $U$ | $G$ | $L$ |
| $F$ | $B$ | $F$ | $C$ | $Z$ | $S$ | $R$ | $M$ | $T$ | $Z$ | $I$ | $W$ | $H$ | $K$ | $N$ | $C$ | $R$ | $L$ | $T$ | $N$ | $P$ | $Y$ | $C$ |
| $Y$ | $Y$ | $F$ | $M$ | $Z$ | $T$ | $X$ | $O$ | $Y$ | $N$ | $Y$ | $Z$ | $O$ | $T$ | $Y$ | $A$ | $W$ | $L$ | $D$ | $P$ | $N$ | $I$ | $R$ |
| $X$ | $U$ | $F$ | $S$ | $L$ | $E$ | $C$ | $K$ | $S$ | $L$ | $I$ | $E$ | $E$ | $D$ | $M$ | $R$ | $E$ | $O$ | $R$ | $N$ | $C$ | $B$ | $K$ |
| $D$ | $N$ | $O$ | $F$ | $T$ | $E$ | $F$ | $E$ | $M$ | $N$ | $O$ | $R$ | $R$ | $W$ | $W$ | $E$ | $L$ | $G$ | $J$ | $O$ | $L$ | $T$ | $M$ |
| $H$ | $J$ | $N$ | $M$ | $U$ | $P$ | $U$ | $T$ | $T$ | $T$ | $Z$ | $G$ | $P$ | $K$ | $N$ | $O$ | $S$ | $A$ | $L$ | $I$ | $M$ | $L$ | $W$ |
| $H$ | $A$ | $U$ | $Z$ | $O$ | $L$ | $S$ | $D$ | $A$ | $S$ | $G$ | $G$ | $L$ | $S$ | $A$ | $E$ | $H$ | $R$ | $V$ | $T$ | $W$ | $A$ | $H$ |
| $D$ | $S$ | $R$ | $P$ | $B$ | $E$ | $R$ | $E$ | $G$ | $A$ | $T$ | $T$ | $A$ | $L$ | $N$ | $C$ | $T$ | $S$ | $S$ | $I$ | $U$ | $K$ | $X$ |
| $E$ | $N$ | $P$ | $M$ | $T$ | $C$ | $H$ | $X$ | $J$ | $B$ | $H$ | $A$ | $M$ | $G$ | $E$ | $W$ | $X$ | $N$ | $U$ | $T$ | $R$ | $W$ | $W$ |
| $Z$ | $F$ | $Z$ | $N$ | $E$ | $H$ | $Z$ | $O$ | $C$ | $P$ | $T$ | $X$ | $A$ | $T$ | $L$ | $N$ | $U$ | $H$ | $T$ | $E$ | $G$ | $N$ | $J$ |
| $F$ | $D$ | $O$ | $E$ | $R$ | $A$ | $U$ | $S$ | $Z$ | $U$ | $A$ | $G$ | $N$ | $U$ | $G$ | $X$ | $M$ | $W$ | $P$ | $P$ | $V$ | $C$ | $F$ |
| $Q$ | $C$ | $F$ | $Z$ | $C$ | $S$ | $N$ | $K$ | $U$ | $W$ | $E$ | $M$ | $A$ | $G$ | $G$ | $Y$ | $I$ | $J$ | $H$ | $M$ | $V$ | $O$ | $B$ |
| $Q$ | $E$ | $Y$ | $Y$ | $T$ | $E$ | $N$ | $A$ | $F$ | $M$ | $D$ | $E$ | $P$ | $O$ | $U$ | $P$ | $T$ | $P$ | $E$ | $O$ | $W$ | $C$ | $M$ |
| $V$ | $E$ | $J$ | $N$ | $V$ | $D$ | $M$ | $H$ | $E$ | $P$ | $N$ | $K$ | $L$ | $F$ | $R$ | $J$ | $M$ | $E$ | $M$ | $C$ | $L$ | $D$ | $R$ |
| $S$ | $R$ | $B$ | $P$ | $D$ | $W$ | $X$ | $N$ | $S$ | $S$ | $E$ | $R$ | $S$ | $W$ | $T$ | $Y$ | $T$ | $D$ | $Q$ | $C$ | $F$ | $G$ | $X$ |
| $Y$ | $E$ | $N$ | $R$ | $U$ | $O$ | $T$ | $M$ | $G$ | $A$ | $D$ | $W$ | $C$ | $A$ | $S$ | $M$ | $I$ | $W$ | $Z$ | $R$ | $R$ | $Y$ | $A$ |
| $T$ | $M$ | $R$ | $R$ | $H$ | $X$ | $H$ | $Z$ | $Y$ | $V$ | $D$ | $B$ | $R$ | $R$ | $L$ | $A$ | $J$ | $G$ | $L$ | $B$ | $H$ | $O$ | $B$ |
| $M$ | $U$ | $G$ | $Z$ | $C$ | $I$ | $H$ | $W$ | $J$ | $I$ | $U$ | $S$ | $Y$ | $K$ | $S$ | $O$ | $B$ | $T$ | $N$ | $S$ | $G$ | $C$ | $G$ |
| $B$ | $O$ | $S$ | $T$ | $R$ | $Z$ | $D$ | $G$ | $I$ | $T$ | $S$ | $K$ | $G$ | $T$ | $G$ | $V$ | $I$ | $V$ | $V$ | $K$ | $B$ | $Q$ | $Z$ |

## Puzzle 105

BATTLE
BOUT
COMPETITION
CONFLICT
CONTENTION
CONTEST
DASH
DERBY
DUEL
ENCOUNTER
ENGAGEMENT

GAME
HEAT
JOUST
MARATHON
MATCH
MEET
OLYMPICS
RACE
REGATTA
RIVALRY
ROUND

RUNOFF
SCRIMMAGE
SHOWDOWN
SPRINT
STEEPLECHASE
STRUGGLE
SUDDENDEATH
TOURNAMENT
TOURNEY
TRAIL
TUGOFWAR

| $N$ | $B$ | $H$ | $N$ | $U$ | $J$ | $C$ | $U$ | $A$ | $E$ | $X$ | $T$ | $Q$ | $A$ | $Y$ | $T$ | $N$ | $A$ | $R$ | $R$ | $A$ | $W$ | $F$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $O$ | $G$ | $S$ | $M$ | $C$ | $I$ | $T$ | $B$ | $B$ | $D$ | $R$ | $Z$ | $Z$ | $T$ | $B$ | $I$ | $P$ | $U$ | $J$ | $R$ | $M$ | $E$ | $U$ |
| $I$ | $U$ | $L$ | $C$ | $V$ | $L$ | $S$ | $L$ | $A$ | $G$ | $E$ | $A$ | $N$ | $J$ | $K$ | $N$ | $G$ | $P$ | $R$ | $X$ | $S$ | $Z$ | $W$ |
| T | N | $A$ | $N$ | $E$ | $V$ | $O$ | $C$ | $C$ | $J$ | $G$ | $E$ | $J$ | $F$ | $X$ | $R$ | $I$ | $A$ | $I$ | $I$ | $X$ | $U$ | $V$ |
| $A$ | $B$ | $D$ | $O$ | $C$ | $H$ | $B$ | $P$ | $F$ | $D$ | $K$ | $U$ | $D$ | $D$ | $O$ | $T$ | $N$ | $U$ | $M$ | $S$ | $N$ | $K$ | $E$ |
| $G$ | $T$ | $O$ | $I$ | $O$ | $F$ | $R$ | $X$ | $M$ | $I$ | $R$ | $P$ | $A$ | $K$ | $M$ | $G$ | $T$ | $O$ | $T$ | $X$ | $K$ | $W$ | $I$ |
| $I$ | $A$ | $F$ | $T$ | $M$ | $E$ | $I$ | $V$ | $O$ | $T$ | $W$ | $X$ | $L$ | $R$ | $E$ | $F$ | $R$ | $A$ | $G$ | $W$ | $P$ | $K$ | $L$ |
| $L$ | $B$ | $B$ | $C$ | $M$ | $N$ | $S$ | $I$ | $J$ | $F$ | $D$ | $R$ | $Q$ | $M$ | $A$ | $P$ | $K$ | $G$ | $E$ | $W$ | $I$ | $N$ | $Z$ |
| $B$ | $W$ | $M$ | $A$ | $I$ | $T$ | $S$ | $G$ | $R$ | $P$ | $N$ | $U$ | $E$ | $K$ | $W$ | $N$ | $T$ | $Z$ | $Y$ | $A$ | $M$ | $O$ | $K$ |
| $O$ | $W$ | $V$ | $S$ | $T$ | $E$ | $H$ | $B$ | $U$ | $P$ | $O$ | $N$ | $A$ | $U$ | $H$ | $U$ | $T$ | $X$ | $A$ | $Y$ | $A$ | $I$ | $H$ |
| $I$ | $R$ | $S$ | $N$ | $M$ | $N$ | $J$ | $V$ | $L$ | $Y$ | $T$ | $U$ | $B$ | $L$ | $E$ | $N$ | $K$ | $E$ | $T$ | $R$ | $T$ | $T$ | $H$ |
| $E$ | $U$ | $N$ | $A$ | $E$ | $T$ | $O$ | $Z$ | $M$ | $M$ | $Q$ | $Z$ | $T$ | $P$ | $A$ | $D$ | $C$ | $N$ | $E$ | $J$ | $A$ | $N$ | $S$ |
| $O$ | $E$ | $V$ | $R$ | $N$ | $E$ | $C$ | $N$ | $B$ | $N$ | $F$ | $P$ | $G$ | $M$ | $T$ | $E$ | $A$ | $I$ | $P$ | $P$ | $D$ | $E$ | $Q$ |
| $T$ | $B$ | $P$ | $T$ | $T$ | $X$ | $Y$ | $O$ | $T$ | $I$ | $E$ | $H$ | $F$ | $C$ | $Q$ | $R$ | $A$ | $D$ | $T$ | $B$ | $R$ | $V$ | $B$ |
| $N$ | $O$ | $V$ | $A$ | $K$ | $U$ | $N$ | $C$ | $R$ | $A$ | $R$ | $G$ | $I$ | $M$ | $A$ | $S$ | $G$ | $E$ | $A$ | $M$ | $O$ | $N$ | $T$ |
| $E$ | $D$ | $I$ | $B$ | $G$ | $D$ | $A$ | $U$ | $E$ | $G$ | $L$ | $R$ | $D$ | $U$ | $J$ | $T$ | $K$ | $A$ | $Y$ | $M$ | $C$ | $O$ | $F$ |
| $M$ | $W$ | $R$ | $Z$ | $W$ | $R$ | $A$ | $C$ | $A$ | $R$ | $E$ | $E$ | $G$ | $N$ | $C$ | $A$ | $L$ | $L$ | $I$ | $A$ | $N$ | $C$ | $E$ |
| $E$ | $O$ | $X$ | $O$ | $T$ | $K$ | $E$ | $K$ | $T$ | $A$ | $P$ | $N$ | $A$ | $Y$ | $E$ | $N$ | $Q$ | $U$ | $I$ | $U$ | $O$ | $J$ | $E$ |
| $L$ | $Y$ | $O$ | $N$ | $W$ | $X$ | $P$ | $E$ | $Y$ | $B$ | $W$ | $I$ | $G$ | $S$ | $H$ | $D$ | $M$ | $C$ | $X$ | $A$ | $C$ | $G$ | $U$ |
| $T$ | $Q$ | $O$ | $D$ | $E$ | $A$ | $L$ | $K$ | $M$ | $V$ | $K$ | $U$ | $M$ | $M$ | $E$ | $I$ | $I$ | $T$ | $C$ | $V$ | $D$ | $W$ | $W$ |
| $T$ | $C$ | $A$ | $P$ | $A$ | $K$ | $Q$ | $I$ | $F$ | $E$ | $L$ | $C$ | $C$ | $Q$ | $Y$ | $N$ | $Y$ | $G$ | $O$ | $E$ | $O$ | $N$ | $R$ |
| $E$ | $D$ | $N$ | $I$ | $B$ | $X$ | $E$ | $R$ | $U$ | $T$ | $N$ | $E$ | $D$ | $N$ | $I$ | $G$ | $J$ | $Y$ | $L$ | $L$ | $V$ | $O$ | $S$ |
| $S$ | $F$ | $L$ | $L$ | $W$ | $K$ | $R$ | $E$ | $T$ | $R$ | $U$ | $T$ | $P$ | $R$ | $R$ | $N$ | $T$ | $P$ | $L$ | $Q$ | $G$ | $V$ | $J$ |

## Puzzle 106

AGREEMENT
ALLIANCE
ARRANGEMENT
BARGAIN
BIND
BOND
COMMITMENT
COMPACT
CONCORDAT
CONTRACT

CONVENTION
COVENANT
DEAL
DEED
ENTENTE
GUARANTEE
GUARANTY
INDENTURE
LEASE
OBLIGATION

PACT
PLEDGE
PROMISE
SETTLEMENT
TRANSACTION
TREATY
UNDERSTANDING
WARRANTY
WORD


## Puzzle 107

| AGENDA | FARE | PROTOCOL |
| :--- | :--- | :--- |
| BATTINGORDER | GUIDE | ROLL |
| BILL | LINEUP | ROSTER |
| BOOK | LIST | ROTA |
| CALENDAR | LISTING | SCHEDULE |
| CARD | MENU | SCROLL |
| CHECKLIST | OUTLINE | SKETCH |
| CURRICULUM | PLAN | SLATE |
| DOCKET | PROGRAM | SYLLABUS |
| DRAFT | PROSPECTUS | SYNOPSIS |

$\left.\begin{array}{|llllllllllllllllllllllll}\hline X & I & P & K & O & O & R & C & A & N & X & P & R & P & Z & T & D & X & L & R & O & W & Y \\ F & M & K & K & U & I & W & K & S & C & U & P & B & X & Y & U & R & P & B & U & P & L & C \\ V & K & G & I & A & R & M & E & D & R & O & B & B & E & R & B & I & S & U & Z & X & X & E \\ A & N & U & U & M & S & S & O & Q & P & M & R & D & R & O & S & B & R & N & K & D & N & R \\ I & T & S & C & H & W & H & O & B & X & F & E & Q & O & H & O & L & D & U & P & M & A & N \\ R & E & P & F & U & T & O & A & Q & S & V & K & G & S & J & O & I & G & O & Z & A & G & B \\ O & D & O & W & K & J & P & L & C & R & T & A & T & S & T & J & A & N & F & E & K & I & W \\ U & G & C & M & C & B & L & K & G & Z & G & E & B & E & E & M & J & E & R & U & Q & L & M \\ G & C & U & L & P & R & I & T & P & D & A & R & R & R & K & V & S & F & Z & G & L & O & Z \\ H & S & L & M & M & G & F & J & Y & L & H & B & V & G & C & G & I & R & M & T & S & O & S \\ N & B & A & N & D & I & T & Z & E & Q & O & W & F & S & O & S & A & L & U & B & I & H & T \\ E & R & X & C & B & A & E & R & C & J & O & A & B & N & P & O & T & N & D & K & U & P & G \\ C & T & Q & V & Y & C & R & K & A & Q & D & L & R & A & K & C & H & M & G & O & R & C & O \\ K & F & S & G & H & F & D & W & S & Q & L & R & E & R & C & F & O & Y & L & S & E & J & V \\ L & M & U & G & G & E & R & N & D & K & U & E & S & T & I & F & A & N & Q & U & T & R & E \\ M & H & D & R & P & Z & J & E & D & G & M & E & S & S & P & C & E & F & V & C & T & E & A \\ S & O & C & R & E & D & N & E & F & F & O & T & A & E & P & E & R & L & A & I & P & F & R \\ Q & I & N & Q & M & M & Y & B & P & W & H & E & P & O & E & U & C & I & O & P & C & P & J \\ R & A & L & G & R & U & B & Q & F & I & E & K & S & X & G & O & M & L & M & N & Z & T & P \\ Q & W & I & F & E & Q & M & C & E & O & W & C & E & N & B & J & H & T & O & I & Q & D & Z \\ W & G & U & W & V & L & S & F & N & Q & Q & A & R & C & I & O & L & O & J & Q & N & F & L \\ D & E & S & P & E & R & A & D & O & J & W & R & T & S & A & N & G & P & X & I & V & A & J \\ Z & P & G & D & N & L & R & J & N & S & J & N & U & F & M & K & X & M & O & S & R & V & L\end{array}\right]$

## Puzzle 108

ARMEDROBBER
BANDIT
BURGLAR
CONVICT
CRIMINAL
CROOK
CULPRIT
DESPERADO
EVILDOER
FELON

GANGSTER
GOON
ROUGHNECK
HOLDUPMAN
HOODLUM
HOOLIGAN
JAILBIRD
LAWBREAKER
MOBSTER
MUGGER

OFFENDER
PICKPOCKET
RACKETEER
REPEATOFFENDER
SHOPLIFTER
STEALER
THIEF
THUG
TRANSGRESSOR
TRESPASSER

## 88

```
Y P Y U E R Y W A E D E L K L M O E M O A V Q
E J D L A B L Z L E T L I R G U H S L D S E N
K H N D P Z Y B T I R B S C P NLGGSPML A
D R XCC H A CW F L I Q E U EM H T B T E D
I Y T M R L E I D L P S F D Y N X B E J U CM
X W L S I L P M A U E I Q I V C A P X Z N T I
N Y O A E R J O B D W V YW I L C GOOK I I T
X V V Y R F T L I T M Y U E GOOQ D R S V V T
P A F J X E I W P L A I N T O S E E A C E E E
URG F E CNN P H C E A A A E K R P ER D D
N N D R H O D E A R Z G B T B D E A P Z S W A
REFB I L A B GMVA B SVN F H A J A A W
E Y P T Z L E D X C J R P F Q Z Z S R C L G H
S R A O B E R K EL B I S S E C C A E O H T K
T N E R C C P X U E T A V I R P T O N P Q A N
R K J Y N T S L E G N E R J K M R C T K L C N
I W C T A I E S U O I V B O K B X O T I J T A
C N K E T V D Q B E S E E W C O S M X D I X G
T A D Y I E I O V K M Q Z R D N T M S L S L D
E K W T O T W D A B Y R A T N U L O V B X B Z
DEO I N D X HVC K N OWN L GN R O C V V
F D V X A N D L COMMM UN A L U Y J S H W O
R X P C L K R I WLLY I K SUNC W B P R M N
```

Puzzle 109

ACCESSIBLE
ADMITTED
APPARENT
AVAILABLE
BALD
COLLECTIVE
COMMON
COMMUNAL
ELECTED
ELECTIVE
EXPOSED

FREETOALL
GENERAL
KNOWN
MANIFEST
NAKED
NATIONAL
NATIONWIDE
NOTPRIVATE
OBVIOUS
OPEN
PLAINTOSEE

PUBLIC
SHARED
STATEWIDE
UNENCLOSED
UNIVERSAL
UNRESTRICTED
VISIBLE
VOLUNTARY
WIDESPREAD

| $E$ | $S$ | $J$ | $C$ | $X$ | $S$ | $S$ | $Q$ | $R$ | $X$ | $I$ | $U$ | $U$ | $U$ | $E$ | $P$ | $I$ | $M$ | $M$ | $A$ | $K$ | $E$ | $W$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $T$ | $C$ | $H$ | $G$ | $N$ | $E$ | $N$ | $S$ | $P$ | $I$ | $A$ | $T$ | $B$ | $J$ | $W$ | $Y$ | $S$ | $H$ | $L$ | $K$ | $Q$ | $T$ | $J$ |
| $X$ | $U$ | $R$ | $W$ | $G$ | $I$ | $C$ | $M$ | $C$ | $O$ | $A$ | $Y$ | $C$ | $V$ | $S$ | $H$ | $P$ | $L$ | $A$ | $R$ | $S$ | $R$ | $P$ |
| $A$ | $M$ | $P$ | $O$ | $E$ | $I$ | $M$ | $D$ | $U$ | $C$ | $T$ | $J$ | $D$ | $A$ | $K$ | $S$ | $F$ | $D$ | $D$ | $E$ | $R$ | $R$ | $W$ |
| $C$ | $H$ | $V$ | $R$ | $F$ | $I$ | $X$ | $H$ | $K$ | $L$ | $O$ | $P$ | $S$ | $U$ | $X$ | $U$ | $A$ | $R$ | $C$ | $H$ | $E$ | $S$ | $S$ |
| $M$ | $E$ | $A$ | $E$ | $T$ | $A$ | $T$ | $I$ | $S$ | $S$ | $E$ | $C$ | $E$ | $N$ | $Z$ | $E$ | $E$ | $R$ | $W$ | $V$ | $Q$ | $E$ | $J$ |
| $C$ | $F$ | $C$ | $O$ | $N$ | $S$ | $T$ | $R$ | $A$ | $I$ | $N$ | $M$ | $T$ | $O$ | $P$ | $K$ | $E$ | $M$ | $A$ | $H$ | $U$ | $L$ | $A$ |
| $I$ | $S$ | $Q$ | $U$ | $E$ | $E$ | $Z$ | $E$ | $I$ | $K$ | $H$ | $B$ | $A$ | $U$ | $V$ | $O$ | $J$ | $I$ | $T$ | $H$ | $I$ | $T$ | $S$ |
| $E$ | $V$ | $I$ | $R$ | $D$ | $A$ | $K$ | $C$ | $Q$ | $E$ | $M$ | $C$ | $G$ | $B$ | $C$ | $E$ | $L$ | $K$ | $E$ | $L$ | $R$ | $S$ | $H$ |
| $T$ | $W$ | $J$ | $P$ | $V$ | $N$ | $D$ | $X$ | $C$ | $Q$ | $Q$ | $O$ | $I$ | $B$ | $B$ | $U$ | $X$ | $X$ | $D$ | $G$ | $E$ | $U$ | $T$ |
| $A$ | $H$ | $W$ | $Q$ | $R$ | $G$ | $I$ | $T$ | $S$ | $N$ | $T$ | $M$ | $T$ | $D$ | $P$ | $O$ | $T$ | $T$ | $A$ | $W$ | $V$ | $H$ | $T$ |
| $N$ | $P$ | $R$ | $X$ | $L$ | $O$ | $O$ | $C$ | $H$ | $X$ | $H$ | $P$ | $S$ | $O$ | $Z$ | $L$ | $G$ | $Z$ | $U$ | $S$ | $Z$ | $K$ | $P$ |
| $M$ | $N$ | $P$ | $E$ | $N$ | $R$ | $V$ | $I$ | $Q$ | $O$ | $Y$ | $E$ | $N$ | $E$ | $F$ | $O$ | $F$ | $P$ | $S$ | $W$ | $G$ | $H$ | $I$ |
| $D$ | $Y$ | $C$ | $L$ | $A$ | $D$ | $Q$ | $O$ | $L$ | $Q$ | $N$ | $L$ | $I$ | $M$ | $D$ | $D$ | $I$ | $S$ | $R$ | $K$ | $E$ | $A$ | $R$ |
| $I$ | $N$ | $Q$ | $S$ | $Y$ | $T$ | $W$ | $V$ | $K$ | $D$ | $M$ | $M$ | $Q$ | $D$ | $T$ | $Z$ | $M$ | $M$ | $E$ | $H$ | $H$ | $G$ | $C$ |
| $N$ | $Z$ | $I$ | $I$ | $M$ | $P$ | $E$ | $L$ | $E$ | $E$ | $E$ | $S$ | $U$ | $A$ | $C$ | $U$ | $E$ | $N$ | $P$ | $C$ | $X$ | $N$ | $S$ |
| $Y$ | $Z$ | $O$ | $B$ | $E$ | $B$ | $R$ | $N$ | $U$ | $G$ | $U$ | $O$ | $V$ | $E$ | $V$ | $G$ | $C$ | $P$ | $P$ | $R$ | $W$ | $G$ | $N$ |
| $Z$ | $Y$ | $O$ | $Q$ | $V$ | $X$ | $G$ | $E$ | $R$ | $K$ | $I$ | $Z$ | $U$ | $E$ | $R$ | $O$ | $P$ | $A$ | $U$ | $Y$ | $E$ | $J$ | $O$ |
| $Y$ | $X$ | $Q$ | $F$ | $D$ | $L$ | $T$ | $L$ | $S$ | $W$ | $Y$ | $L$ | $L$ | $U$ | $B$ | $V$ | $K$ | $T$ | $B$ | $L$ | $K$ | $S$ | $C$ |
| $D$ | $D$ | $K$ | $W$ | $A$ | $M$ | $Q$ | $O$ | $W$ | $S$ | $N$ | $F$ | $B$ | $K$ | $J$ | $R$ | $S$ | $U$ | $G$ | $G$ | $B$ | $G$ | $S$ |
| $I$ | $J$ | $Q$ | $Y$ | $K$ | $V$ | $F$ | $E$ | $R$ | $K$ | $U$ | $B$ | $J$ | $O$ | $P$ | $D$ | $X$ | $E$ | $G$ | $S$ | $L$ | $H$ | $O$ |
| $G$ | $U$ | $X$ | $W$ | $H$ | $C$ | $P$ | $M$ | $K$ | $T$ | $Z$ | $R$ | $K$ | $P$ | $Z$ | $Y$ | $A$ | $D$ | $R$ | $A$ | $F$ | $T$ | $V$ |
| $U$ | $W$ | $D$ | $W$ | $N$ | $N$ | $R$ | $Q$ | $V$ | $J$ | $E$ | $C$ | $E$ | $Z$ | $O$ | $D$ | $A$ | $O$ | $R$ | $L$ | $I$ | $A$ | $R$ |

## Puzzle 110

| APPLYPRESSURE | EXTORT | OBLIGE |
| :--- | :--- | :--- |
| BIND | FORCE | PERSUADE |
| BULLY | HARASS | PRESS |
| CAUSE | HECTOR | PREVAILUPON |
| COERCE | HUSTLE | PROVOKE |
| COMPEL | IMPEL | RAILROAD |
| CONSCRIPT | IMPRESS | REQUIRE |
| CONSTRAIN | INDUCE | SQUEEZE |
| DRAFT | INSTIGATE | THREATEN |
| DRIVE | MAKE | URGE |
| EXACT | NECESSITATE |  |

## 90

 Part II: Getting a Complete Puzzle Workout
## Treacherous

| $Y$ | $D$ | $Z$ | $S$ | $G$ | $O$ | $E$ | $Z$ | $T$ | $W$ | $U$ | $W$ | $T$ | $Z$ | $G$ | $C$ | $C$ | $U$ | $T$ | $H$ | $P$ | $R$ | $Q$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Y | $F$ | I | $T$ | $A$ | $R$ | $L$ | $O$ | $L$ | $E$ | $G$ | $A$ | $L$ | $I$ | $Z$ | $E$ | $A$ | $D$ | $N$ | $V$ | $W$ | $V$ | $S$ |
| $F$ | $U$ | $I$ | $D$ | $A$ | $O$ | $B$ | $D$ | $E$ | $L$ | $E$ | $G$ | $A$ | $T$ | $E$ | $P$ | $Y$ | $Z$ | $A$ | $A$ | $M$ | $B$ | $Z$ |
| $T$ | $I$ | $F$ | $T$ | $U$ | $O$ | $A$ | $E$ | $T$ | $A$ | $T$ | $I$ | $C$ | $A$ | $P$ | $A$ | $C$ | $F$ | $R$ | $L$ | $M$ | $R$ | $E$ |
| $F$ | $E$ | $H$ | $D$ | $R$ | $L$ | $N$ | $B$ | $M$ | $S$ | $X$ | K | I | $R$ | $H$ | $Q$ | $D$ | $N$ | $R$ | $I$ | $M$ | $B$ | $T$ |
| $V$ | $L$ | $F$ | $E$ | $V$ | $E$ | $E$ | $O$ | $E$ | $W$ | $O$ | $M$ | $O$ | $M$ | $L$ | $O$ | $O$ | $R$ | $A$ | $D$ | $Q$ | $Q$ | $U$ |
| $D$ | $T$ | $L$ | $P$ | $E$ | $H$ | $C$ | $V$ | $C$ | $C$ | $C$ | $V$ | $T$ | $N$ | $P$ | $R$ | $H$ | $C$ | $W$ | $A$ | $C$ | $M$ | $T$ |
| $W$ | $J$ | $W$ | $U$ | $N$ | $X$ | $N$ | $G$ | $O$ | $P$ | $E$ | $U$ | $F$ | $O$ | $T$ | $R$ | $G$ | $L$ | $E$ | $T$ | $I$ | $X$ | $I$ |
| $O$ | $B$ | $P$ | $T$ | $T$ | $I$ | $J$ | $M$ | $E$ | $Y$ | $S$ | $A$ | $X$ | $J$ | $U$ | $I$ | $Z$ | $N$ | $H$ | $E$ | $C$ | $M$ | $T$ |
| $Q$ | $K$ | $F$ | $E$ | $R$ | $A$ | $M$ | $B$ | $Z$ | $T$ | $N$ | $E$ | $M$ | $U$ | $C$ | $O$ | $D$ | $S$ | $T$ | $L$ | $R$ | $D$ | $S$ |
| $E$ | $J$ | $V$ | $R$ | $U$ | $I$ | $Y$ | $F$ | $I$ | $L$ | $A$ | $U$ | $Q$ | $I$ | $W$ | $O$ | $I$ | $J$ | $S$ | $N$ | $F$ | $M$ | $N$ |
| $S$ | $C$ | $Z$ | $D$ | $S$ | $R$ | $L$ | $I$ | $C$ | $E$ | $N$ | $S$ | $E$ | $E$ | $W$ | $L$ | $U$ | $A$ | $E$ | $M$ | $V$ | $H$ | $O$ |
| $I$ | $U$ | $O$ | $S$ | $T$ | $K$ | $W$ | $S$ | $W$ | $X$ | $R$ | $U$ | $Z$ | $T$ | $B$ | $A$ | $N$ | $Z$ | $M$ | $N$ | $B$ | $Y$ | $C$ |
| $H$ | $I$ | $I$ | $N$ | $X$ | $Y$ | $G$ | $I$ | $M$ | $R$ | $N$ | $Y$ | $R$ | $A$ | $D$ | $C$ | $W$ | $P$ | $E$ | $E$ | $D$ | $P$ | $T$ |
| $C$ | $O$ | $L$ | $G$ | $F$ | $C$ | $G$ | $C$ | $E$ | $T$ | $M$ | $K$ | $T$ | $T$ | $T$ | $R$ | $V$ | $Y$ | $Z$ | $Z$ | $E$ | $U$ | $I$ |
| $N$ | $G$ | $U$ | $B$ | $I$ | $I$ | $R$ | $T$ | $E$ | $S$ | $P$ | $S$ | $I$ | $I$ | $I$ | $W$ | $Z$ | $P$ | $I$ | $I$ | $L$ | $I$ | $E$ |
| $A$ | $G$ | $D$ | $W$ | $Z$ | $Z$ | $R$ | $Z$ | $N$ | $Q$ | $E$ | $B$ | $O$ | $L$ | $G$ | $I$ | $E$ | $Q$ | $L$ | $R$ | $T$ | $O$ | $E$ |
| $R$ | $V$ | $S$ | $U$ | $Q$ | $A$ | $T$ | $M$ | $W$ | $O$ | $U$ | $N$ | $W$ | $I$ | $J$ | $R$ | $A$ | $A$ | $A$ | $O$ | $I$ | $F$ | $W$ |
| $F$ | $T$ | $T$ | $R$ | $H$ | $S$ | $D$ | $R$ | $Z$ | $U$ | $I$ | $I$ | $P$ | $C$ | $Q$ | $U$ | $S$ | $E$ | $M$ | $H$ | $T$ | $G$ | $Y$ |
| $X$ | $C$ | $A$ | $C$ | $C$ | $R$ | $E$ | $D$ | $I$ | $T$ | $V$ | $Q$ | $P$ | $A$ | $X$ | $S$ | $C$ | $L$ | $R$ | $T$ | $N$ | $H$ | $R$ |
| $N$ | $K$ | $B$ | $Y$ | $S$ | $T$ | $R$ | $I$ | $S$ | $K$ | $C$ | $F$ | $X$ | $F$ | $I$ | $Q$ | $S$ | $H$ | $O$ | $U$ | $E$ | $E$ | $O$ |
| $E$ | $E$ | $Y$ | $S$ | $F$ | $U$ | $I$ | $Z$ | $Y$ | $W$ | $Z$ | $N$ | $V$ | $S$ | $T$ | $O$ | $F$ | $P$ | $F$ | $A$ | $H$ | $W$ | $I$ |
| $O$ | $Y$ | $A$ | $Q$ | $Q$ | $P$ | $O$ | $Q$ | $F$ | $S$ | $N$ | $A$ | $T$ | $F$ | $V$ | $X$ | $O$ | $I$ | $N$ | $M$ | $S$ | $D$ | $Z$ |

## Puzzle 111

| ACCREDIT | DEPUTE | FRANCHISE |
| :--- | :--- | :--- |
| APPROVE | DOCUMENT | INVEST |
| ASSIST | ENABLE | LEGALIZE |
| AUTHORIZE | ENDOW | LICENSE |
| CAPACITATE | ENDUE | OUTFIT |
| CERTIFY | ENTITLE | QUALIFY |
| CHARTER | ENTRUST | RATIFY |
| COMMISSION | EQUIP | SANCTION |
| CONFIRM | ESTABLISH | VALIDATE |
| CONSTITUTE | FACILITATE | WARRANT |


| $K$ | $X$ | $T$ | $Q$ | $E$ | $L$ | $E$ | $I$ | $R$ | $U$ | $Y$ | $O$ | $D$ | $I$ | $C$ | $Y$ | $S$ | $I$ | $N$ | $A$ | $X$ | $H$ | $Y$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $B$ | $O$ | $Z$ | $R$ | $V$ | $C$ | $Y$ | $G$ | $U$ | $L$ | $P$ | $R$ | $B$ | $I$ | $Y$ | $G$ | $O$ | $C$ | $A$ | $S$ | $G$ | $X$ | $E$ |
| $P$ | $P$ | $U$ | $Y$ | $J$ | $O$ | $U$ | $U$ | $E$ | $B$ | $J$ | $I$ | $L$ | $Q$ | $N$ | $W$ | $G$ | $V$ | $I$ | $R$ | $I$ | $P$ | $E$ |
| $C$ | $P$ | $U$ | $Z$ | $J$ | $H$ | $K$ | $I$ | $H$ | $L$ | $X$ | $E$ | $Y$ | $I$ | $Y$ | $S$ | $X$ | $H$ | $D$ | $A$ | $V$ | $Z$ | $C$ |
| $K$ | $T$ | $Y$ | $B$ | $L$ | $I$ | $R$ | $D$ | $X$ | $I$ | $G$ | $A$ | $E$ | $F$ | $G$ | $I$ | $G$ | $T$ | $R$ | $P$ | $Y$ | $Z$ | $N$ |
| $S$ | $L$ | $G$ | $T$ | $Z$ | $B$ | $I$ | $A$ | $U$ | $N$ | $H$ | $B$ | $A$ | $K$ | $S$ | $J$ | $V$ | $Q$ | $A$ | $H$ | $Y$ | $D$ | $B$ |
| $G$ | $M$ | $O$ | $F$ | $A$ | $V$ | $E$ | $N$ | $A$ | $I$ | $Q$ | $V$ | $F$ | $B$ | $A$ | $O$ | $O$ | $B$ | $U$ | $A$ | $I$ | $I$ | $Y$ |
| $W$ | $N$ | $L$ | $G$ | $I$ | $T$ | $Z$ | $C$ | $N$ | $O$ | $V$ | $G$ | $S$ | $Q$ | $N$ | $I$ | $C$ | $G$ | $G$ | $E$ | $F$ | $E$ | $E$ |
| $Z$ | $I$ | $O$ | $N$ | $I$ | $S$ | $N$ | $E$ | $C$ | $C$ | $J$ | $R$ | $Z$ | $Z$ | $G$ | $H$ | $Q$ | $P$ | $Y$ | $L$ | $O$ | $H$ | $Y$ |
| $P$ | $E$ | $E$ | $M$ | $I$ | $C$ | $H$ | $A$ | $E$ | $L$ | $M$ | $A$ | $S$ | $N$ | $E$ | $B$ | $C$ | $C$ | $J$ | $R$ | $B$ | $B$ | $B$ |
| $Z$ | $V$ | $H$ | $R$ | $Q$ | $J$ | $W$ | $P$ | $I$ | $B$ | $Q$ | $T$ | $F$ | $R$ | $L$ | $H$ | $X$ | $G$ | $X$ | $N$ | $S$ | $Y$ | $U$ |
| $M$ | $E$ | $T$ | $S$ | $E$ | $Z$ | $A$ | $F$ | $G$ | $D$ | $D$ | $L$ | $U$ | $A$ | $O$ | $I$ | $Q$ | $N$ | $H$ | $P$ | $L$ | $H$ | $W$ |
| $I$ | $I$ | $H$ | $B$ | $Z$ | $D$ | $X$ | $Z$ | $V$ | $Y$ | $A$ | $B$ | $E$ | $I$ | $L$ | $I$ | $G$ | $H$ | $T$ | $N$ | $A$ | $K$ | $Y$ |
| $H$ | $L$ | $K$ | $Y$ | $K$ | $Y$ | $R$ | $T$ | $M$ | $G$ | $I$ | $R$ | $R$ | $O$ | $O$ | $O$ | $S$ | $I$ | $E$ | $M$ | $R$ | $M$ | $B$ |
| $P$ | $E$ | $A$ | $A$ | $U$ | $P$ | $H$ | $O$ | $G$ | $M$ | $E$ | $S$ | $T$ | $F$ | $G$ | $O$ | $S$ | $V$ | $W$ | $E$ | $F$ | $A$ | $E$ |
| $A$ | $B$ | $Y$ | $R$ | $M$ | $Z$ | $L$ | $L$ | $D$ | $H$ | $T$ | $Y$ | $C$ | $D$ | $Y$ | $A$ | $A$ | $I$ | $Y$ | $S$ | $S$ | $X$ | $A$ |
| $R$ | $B$ | $U$ | $N$ | $C$ | $R$ | $F$ | $X$ | $T$ | $N$ | $I$ | $Q$ | $V$ | $N$ | $L$ | $E$ | $N$ | $D$ | $Z$ | $S$ | $K$ | $M$ | $U$ |
| $E$ | $J$ | $M$ | $Z$ | $Y$ | $H$ | $R$ | $E$ | $D$ | $R$ | $O$ | $T$ | $S$ | $E$ | $H$ | $G$ | $I$ | $H$ | $F$ | $E$ | $A$ | $S$ | $T$ |
| $S$ | $J$ | $Y$ | $Q$ | $T$ | $D$ | $A$ | $M$ | $B$ | $B$ | $M$ | $C$ | $O$ | $Z$ | $E$ | $B$ | $W$ | $E$ | $F$ | $N$ | $L$ | $D$ | $I$ |
| $K$ | $A$ | $M$ | $N$ | $T$ | $P$ | $M$ | $N$ | $F$ | $E$ | $R$ | $M$ | $E$ | $D$ | $B$ | $L$ | $T$ | $A$ | $O$ | $G$ | $G$ | $W$ | $F$ |
| $L$ | $H$ | $J$ | $O$ | $Q$ | $N$ | $X$ | $H$ | $G$ | $D$ | $K$ | $W$ | $O$ | $S$ | $Q$ | $A$ | $W$ | $R$ | $S$ | $E$ | $Q$ | $O$ | $U$ |
| $I$ | $H$ | $Y$ | $Q$ | $E$ | $Y$ | $H$ | $X$ | $V$ | $E$ | $Z$ | $U$ | $F$ | $H$ | $J$ | $Z$ | $E$ | $Y$ | $O$ | $R$ | $P$ | $T$ | $L$ |
| $E$ | $V$ | $O$ | $L$ | $X$ | $V$ | $K$ | $E$ | $U$ | $R$ | $L$ | $I$ | $Z$ | $C$ | $E$ | $L$ | $E$ | $S$ | $T$ | $I$ | $A$ | $L$ | $R$ |

## Puzzle 112

| ANGELIC | ETHEREAL | MICHAELMAS |
| :--- | :--- | :--- |
| ANGELOLOGY | FEAST | PURE |
| ARCHANGEL | GABRIEL | RADIANT |
| BEAUTIFUL | GUARDIAN | RAPHAEL |
| BEINGS | GUIDANCE | SECONDORDER |
| BELIEVEIN | HEAVENLY | SERAPHIM |
| CELESTIAL | HIGHESTORDER | THEOLOGY |
| CHERUBIM | LIGHT | URIEL |
| CHOIRS | LOVE | WINGED |
| DIVINE | MESSENGER |  |


| $D$ | $P$ | $H$ | $A$ | $T$ | $N$ | $E$ | $U$ | $L$ | $F$ | $F$ | $A$ | $Y$ | $F$ | $I$ | $H$ | $D$ | $T$ | $C$ | $C$ | $U$ | $O$ | $R$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $N$ | $B$ | $J$ | $L$ | $K$ | $A$ | $T$ | $V$ | $T$ | $A$ | $T$ | $J$ | $S$ | $M$ | $V$ | $K$ | $E$ | $Z$ | $E$ | $R$ | $R$ | $E$ | $G$ |
| $M$ | $M$ | $C$ | $Q$ | $A$ | $E$ | $K$ | $T$ | $A$ | $Q$ | $C$ | $M$ | $M$ | $D$ | $N$ | I | T | $H$ | $C$ | $A$ | $X$ | $S$ | $C$ |
| $M$ | $F$ | $D$ | $E$ | $K$ | $C$ | $O$ | $T$ | $S$ | $L$ | $L$ | $E$ | $W$ | $I$ | $H$ | $C$ | $E$ | $B$ | $H$ | $C$ | $S$ | $T$ | $T$ |
| $H$ | $E$ | $S$ | $P$ | $I$ | $I$ | $H$ | $U$ | $E$ | $Q$ | $A$ | $X$ | $Y$ | $E$ | $M$ | $B$ | $A$ | $W$ | $E$ | $E$ | $N$ | $M$ | $C$ |
| $P$ | $X$ | $L$ | $H$ | $N$ | $Y$ | $C$ | $C$ | $J$ | $S$ | $M$ | $H$ | $F$ | $J$ | $P$ | $T$ | $D$ | $S$ | $L$ | $L$ | $W$ | $C$ | $J$ |
| $J$ | $T$ | $T$ | $P$ | $N$ | $G$ | $R$ | $C$ | $U$ | $X$ | $T$ | $W$ | $H$ | $G$ | $T$ | $W$ | $S$ | $M$ | $A$ | $N$ | $L$ | $Z$ | $C$ |
| $E$ | $R$ | $U$ | $A$ | $Q$ | $E$ | $I$ | $R$ | $R$ | $M$ | $V$ | $D$ | $G$ | $L$ | $L$ | $I$ | $O$ | $R$ | $Q$ | $I$ | $O$ | $S$ | $O$ |
| $L$ | $A$ | $M$ | $W$ | $L$ | $C$ | $A$ | $T$ | $A$ | $I$ | $S$ | $O$ | $E$ | $W$ | $V$ | $T$ | $E$ | $X$ | $H$ | $M$ | $U$ | $C$ | $M$ |
| $B$ | $V$ | $B$ | $N$ | $T$ | $B$ | $O$ | $N$ | $V$ | $E$ | $C$ | $F$ | $X$ | $E$ | $T$ | $B$ | $Q$ | $M$ | $Y$ | $O$ | $Z$ | $K$ | $P$ |
| $I$ | $A$ | $U$ | $D$ | $L$ | $N$ | $H$ | $V$ | $L$ | $L$ | $W$ | $H$ | $U$ | $O$ | $I$ | $S$ | $D$ | $T$ | $E$ | $K$ | $P$ | $R$ | $E$ |
| T | $G$ | $M$ | $E$ | $F$ | $S$ | $J$ | $B$ | $O$ | $U$ | $T$ | $S$ | $B$ | $L$ | $P$ | $K$ | $N$ | $T$ | $M$ | $S$ | $L$ | $R$ | $T$ |
| $S$ | $A$ | $P$ | $N$ | $M$ | $U$ | $D$ | $X$ | $N$ | $U$ | $U$ | $B$ | $Y$ | $I$ | $L$ | $A$ | $N$ | $P$ | $B$ | $S$ | $E$ | $Y$ | $I$ |
| $U$ | $N$ | $E$ | $B$ | $R$ | $P$ | $P$ | $A$ | $G$ | $O$ | $I$ | $H$ | $L$ | $L$ | $D$ | $U$ | $W$ | $T$ | $T$ | $G$ | $N$ | $Y$ | $T$ |
| $A$ | $T$ | $R$ | $W$ | $K$ | $J$ | $L$ | $Q$ | $R$ | $K$ | $T$ | $L$ | $U$ | $N$ | $O$ | $J$ | $X$ | $M$ | $A$ | $R$ | $T$ | $A$ | $I$ |
| $H$ | $X$ | $D$ | $Q$ | $B$ | $I$ | $N$ | $E$ | $G$ | $L$ | $I$ | $R$ | $U$ | $B$ | $X$ | $S$ | $S$ | $G$ | $O$ | $E$ | $Y$ | $V$ | $O$ |
| $X$ | $C$ | $B$ | $U$ | $R$ | $F$ | $M$ | $N$ | $A$ | $N$ | $A$ | $B$ | $Z$ | $V$ | $U$ | $C$ | $I$ | $O$ | $C$ | $I$ | $R$ | $E$ | $N$ |
| $E$ | $V$ | $N$ | $U$ | $C$ | $U$ | $A$ | $E$ | $G$ | $N$ | $A$ | $L$ | $W$ | $Y$ | $J$ | $V$ | $K$ | $R$ | $E$ | $D$ | $D$ | $G$ | $G$ |
| $N$ | $U$ | $I$ | $N$ | $N$ | $R$ | $W$ | $O$ | $F$ | $M$ | $M$ | $S$ | $G$ | $Y$ | $Q$ | $M$ | $B$ | $Z$ | $O$ | $P$ | $E$ | $R$ | $I$ |
| $I$ | $I$ | $L$ | $B$ | $Z$ | $R$ | $V$ | $D$ | $U$ | $E$ | $P$ | $H$ | $S$ | $X$ | $H$ | $Z$ | $C$ | $S$ | $F$ | $H$ | $Q$ | $A$ | $F$ |
| $W$ | $O$ | $B$ | $T$ | $M$ | $E$ | $K$ | $C$ | $T$ | $Y$ | $L$ | $O$ | $Z$ | $H$ | $U$ | $T$ | $I$ | $Y$ | $Q$ | $F$ | $O$ | $L$ | $I$ |
| $N$ | $P$ | $L$ | $X$ | $R$ | $Z$ | $K$ | $P$ | $K$ | $F$ | $E$ | $Y$ | $S$ | $O$ | $G$ | $M$ | $S$ | $O$ | $Q$ | $K$ | $W$ | $Q$ | $C$ |
| $X$ | $D$ | $G$ | $C$ | $O$ | $N$ | $F$ | $L$ | $I$ | $C$ | $T$ | $G$ | $B$ | $D$ | $E$ | $C$ | $D$ | $X$ | $U$ | $W$ | $C$ | $R$ | $T$ |

## Puzzle 113

| ABOUNDING | GREAT | PACKED |
| :--- | :--- | :--- |
| ABUNDANT | HUGE | PLENTEOUS |
| AFFLUENT | IMMEASURABLE | PLENTIFUL |
| AMPLE | INEXHAUSTIBLE | PLENTY |
| BOTTOMLESS | LARGE | RICH |
| BOUNTEOUS | LIBERAL | SPILLINGOVER |
| BOUNTIFUL | MANY | THICK |
| BUMPER | MUCH | UNMEASURED |
| EXCESSIVE | NUMEROUS | WEALTHY |
| EXTRAVAGANT | OVERABUNDANT | WELLSTOCKED |
| FULL | OVERFLOWING |  |



## Puzzle 114

| ASSEMBLY | COLLECTION | HIVE |
| :--- | :--- | :--- |
| BALE | COMPANY | KNOT |
| BAND | CONVEY | NUMBER |
| BATCH | CROWD | PACK |
| BEVY | DROVE | PILE |
| BODY | FLOCK | POSY |
| BOUQUET | GATHERING | SCHOOL |
| BUNCH | GROUP | SWARM |
| BUNDLE | GROVE | THICKET |
| CLUMP | HEAP | THRONG |
| CLUSTER | HERD | TRUSS |

```
Y G X L W N P Z GCM F D J G X W V H O D Q K
S Y I H P D M N YON E I D F UX GK R T Y M
KM EOHOLLGOGS BP Z DHRVVIK D S E
S A J L I P S N B P G I P N F V I Z J G Y E G
MEIS VYLA I D TOOB I OFZ C L F N D B
F T T J L E H L O NH F F A R L K M L S P Q D
X S F U S S C J U C G Y X T Y K Z S D Q V P V
S D T S NE F R G C N U E W B B Z O V K T J Z
M I E R U C S B O A UM R L K Z I M Y G W D K
OVOQ NHLEELS DQONOZW B ZCRRWV
FD X Y E C M E G P E G R D I A G E A E G T W
HMQM DLX R A T MMMMX D UY R A P V P A
U Y Y F A O O B N R L R I Z Y V O R O A B K B
G T L D E U QW X T C A D S GI Y D S DUA F
X O E H L D S P E P A H R X T O A P D G D N S
R U B C L Y S Y Y R L U A I R Y X A X S Y Q Y
UR I Q C C W Z W W I C V A P O R O U S Y G Q
Z W S O Y O A C U N G N P U P K X Y L M G R D
JOM K DHGGABT I D GME YVNOUHRN
T C R A K U F T K K N C A N L A H OM U I D H
Y U H T S A C R E V O D E S E R L M M P P X L
M S D J Y J S X R S U D F H B G J I P Z U C E
P V T L X G P F P X S S W I L U D Y Y F P J E
```


## Puzzle 115

| CALIGINOUS | GRAY | MURKY |
| :--- | :--- | :--- |
| CLOUDY | HAZY | OBSCURE |
| DAMP | HEAVY | OVERCAST |
| DARKENED | HUMID | SHADOWY |
| DREARY | LEADEN | SOMBER |
| DRIPPY | LOWERING | STARLESS |
| DRIZZLY | MISTY | STEAMY |
| ECLIPSED | MOIST | SUNLESS |
| FOGGY | MOONLESS | UNCLEAR |
| GLOOMY | MUGGY | VAPOROUS |


| $R$ | $Q$ | $M$ | $X$ | $T$ | $J$ | $N$ | $F$ | $W$ | $E$ | $R$ | $E$ | $S$ | $H$ | $I$ | $A$ | $B$ | $S$ | $F$ | $V$ | $R$ | $F$ | $J$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $F$ | $K$ | $W$ | $T$ | $L$ | $N$ | $W$ | $M$ | $I$ | $H$ | $K$ | $C$ | $A$ | $T$ | $C$ | $H$ | $N$ | $P$ | $K$ | $W$ | $G$ | $F$ | $K$ |
| $P$ | $J$ | $E$ | $M$ | $Z$ | $Z$ | $S$ | $U$ | $W$ | $A$ | $U$ | $T$ | $M$ | $P$ | $W$ | $A$ | $T$ | $B$ | $C$ | $O$ | $H$ | $Z$ | $R$ |
| $Q$ | $U$ | $N$ | $O$ | $P$ | $U$ | $N$ | $E$ | $T$ | $S$ | $A$ | $F$ | $T$ | $T$ | $G$ | $L$ | $Z$ | $D$ | $L$ | $I$ | $H$ | $E$ | $U$ |
| $I$ | $G$ | $D$ | $K$ | $A$ | $P$ | $P$ | $R$ | $E$ | $H$ | $E$ | $N$ | $S$ | $I$ | $O$ | $N$ | $P$ | $L$ | $C$ | $S$ | $N$ | $V$ | $C$ |
| $K$ | $R$ | $M$ | $N$ | $G$ | $K$ | $L$ | $F$ | $M$ | $A$ | $Q$ | $S$ | $P$ | $J$ | $C$ | $E$ | $G$ | $V$ | $K$ | $S$ | $G$ | $U$ | $D$ |
| $O$ | $M$ | $C$ | $A$ | $R$ | $E$ | $T$ | $A$ | $A$ | $H$ | $I$ | $C$ | $C$ | $P$ | $N$ | $Z$ | $Y$ | $M$ | $N$ | $O$ | $R$ | $G$ | $N$ |
| $O$ | $F$ | $O$ | $D$ | $L$ | $O$ | $H$ | $Y$ | $A$ | $L$ | $G$ | $Y$ | $T$ | $J$ | $C$ | $P$ | $N$ | $A$ | $M$ | $A$ | $K$ | $D$ | $Y$ |
| $H$ | $C$ | $R$ | $V$ | $D$ | $W$ | $A$ | $N$ | $A$ | $V$ | $M$ | $Y$ | $S$ | $A$ | $Q$ | $U$ | $R$ | $E$ | $M$ | $S$ | $N$ | $H$ | $G$ |
| $J$ | $L$ | $O$ | $X$ | $H$ | $J$ | $G$ | $S$ | $S$ | $J$ | $X$ | $C$ | $Y$ | $L$ | $I$ | $E$ | $Y$ | $R$ | $K$ | $Z$ | $U$ | $S$ | $X$ |
| $I$ | $U$ | $F$ | $F$ | $F$ | $O$ | $S$ | $M$ | $F$ | $G$ | $C$ | $R$ | $E$ | $T$ | $J$ | $J$ | $C$ | $S$ | $G$ | $I$ | $S$ | $R$ | $E$ |
| $R$ | $T$ | $E$ | $P$ | $N$ | $M$ | $S$ | $F$ | $T$ | $D$ | $E$ | $R$ | $Y$ | $H$ | $M$ | $G$ | $T$ | $P$ | $C$ | $D$ | $A$ | $S$ | $I$ |
| $S$ | $C$ | $P$ | $T$ | $E$ | $D$ | $F$ | $J$ | $V$ | $V$ | $D$ | $D$ | $M$ | $T$ | $N$ | $R$ | $S$ | $Z$ | $A$ | $N$ | $V$ | $S$ | $S$ |
| $N$ | $H$ | $O$ | $P$ | $R$ | $Q$ | $B$ | $Y$ | $M$ | $C$ | $E$ | $S$ | $C$ | $H$ | $F$ | $A$ | $I$ | $P$ | $S$ | $A$ | $L$ | $C$ | $W$ |
| $A$ | $F$ | $R$ | $I$ | $U$ | $O$ | $G$ | $T$ | $M$ | $C$ | $I$ | $O$ | $Z$ | $L$ | $E$ | $S$ | $Q$ | $Z$ | $T$ | $T$ | $E$ | $E$ | $K$ |
| $T$ | $I$ | $G$ | $L$ | $T$ | $R$ | $R$ | $K$ | $A$ | $Z$ | $O$ | $G$ | $B$ | $P$ | $I$ | $P$ | $R$ | $I$ | $P$ | $L$ | $U$ | $F$ | $P$ |
| $C$ | $O$ | $J$ | $C$ | $P$ | $E$ | $A$ | $R$ | $C$ | $H$ | $F$ | $G$ | $O$ | $L$ | $K$ | $N$ | $I$ | $E$ | $E$ | $P$ | $S$ | $D$ | $C$ |
| $H$ | $S$ | $N$ | $K$ | $A$ | $A$ | $B$ | $D$ | $V$ | $X$ | $H$ | $U$ | $B$ | $Y$ | $K$ | $V$ | $G$ | $R$ | $M$ | $Y$ | $J$ | $C$ | $L$ |
| $J$ | $P$ | $E$ | $Q$ | $C$ | $M$ | $W$ | $Z$ | $G$ | $K$ | $N$ | $H$ | $B$ | $E$ | $A$ | $A$ | $T$ | $A$ | $G$ | $F$ | $L$ | $R$ | $I$ |
| $E$ | $E$ | $P$ | $I$ | $E$ | $V$ | $T$ | $H$ | $N$ | $C$ | $C$ | $L$ | $F$ | $D$ | $Z$ | $M$ | $L$ | $F$ | $G$ | $E$ | $W$ | $P$ | $N$ |
| $Z$ | $A$ | $K$ | $D$ | $Z$ | $O$ | $H$ | $G$ | $E$ | $N$ | $E$ | $L$ | $U$ | $M$ | $S$ | $C$ | $U$ | $W$ | $N$ | $A$ | $A$ | $E$ | $C$ |
| $R$ | $S$ | $E$ | $E$ | $P$ | $E$ | $Q$ | $O$ | $D$ | $U$ | $X$ | $O$ | $M$ | $U$ | $P$ | $L$ | $D$ | $C$ | $D$ | $Y$ | $L$ | $W$ | $H$ |
| $D$ | $B$ | $E$ | $K$ | $X$ | $F$ | $N$ | $V$ | $M$ | $R$ | $P$ | $P$ | $C$ | $J$ | $J$ | $S$ | $H$ | $R$ | $B$ | $S$ | $C$ | $O$ | $K$ |

## Puzzle 116

| APPREHENSION | CLIP | HANGONTO |
| :--- | :--- | :--- |
| CAPTURE | CLUTCH | HOOK |
| CARE | EMBRACE | LAYHOLDOF |
| CATCH | ENSNARE | MAKEAGRABAT |
| CLAMP | FASTENUPON | POUNCEON |
| CLASP | GRAB | SEIZE |
| CLAW | GRASP | SNAG |
| CLENCH | GRIP | SNATCH |
| CLINCH | GRIPE | TAKE |
| CLING | GROPEFOR |  |


| $M$ | $J$ | $F$ | $R$ | $U$ | $F$ | $O$ | $A$ | $B$ | $Y$ | $L$ | $E$ | $V$ | $O$ | $L$ | $S$ | $P$ | $W$ | $F$ | $J$ | $P$ | $S$ | $C$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $D$ | $B$ | $E$ | $K$ | $E$ | $N$ | $M$ | $C$ | $B$ | $J$ | $Y$ | $H$ | $G$ | $A$ | $J$ | $L$ | $M$ | $I$ | $E$ | $O$ | $V$ | $L$ | $S$ |
| $P$ | $A$ | $Y$ | $C$ | $A$ | $G$ | $M$ | $V$ | $A$ | $E$ | $J$ | $N$ | $S$ | $H$ | $N$ | $X$ | $D$ | $T$ | $C$ | $S$ | $R$ | $W$ | $A$ |
| $X$ | $X$ | $E$ | $D$ | $I$ | $W$ | $W$ | $E$ | $O$ | $E$ | $I$ | $S$ | $B$ | $M$ | $S$ | $U$ | $I$ | $L$ | $G$ | $J$ | $O$ | $E$ | $D$ |
| $S$ | $A$ | $L$ | $M$ | $C$ | $N$ | $Y$ | $U$ | $X$ | $L$ | $R$ | $R$ | $U$ | $G$ | $W$ | $L$ | $G$ | $O$ | $X$ | $L$ | $A$ | $W$ | $C$ |
| $H$ | $G$ | $E$ | $G$ | $O$ | $P$ | $V$ | $Q$ | $A$ | $J$ | $I$ | K | $O$ | $O$ | $O$ | $C$ | $O$ | $V$ | $X$ | $S$ | $A$ | $N$ | $O$ |
| $Q$ | $O$ | $G$ | $F$ | $I$ | $P$ | $U$ | $E$ | $C$ | $G$ | $D$ | $G$ | $E$ | $P$ | $E$ | $D$ | $D$ | $D$ | $I$ | $V$ | $I$ | $N$ | $E$ |
| $U$ | $N$ | $A$ | $Y$ | $V$ | $I$ | $P$ | $I$ | $H$ | $K$ | $W$ | $Y$ | $U$ | $K$ | $L$ | $C$ | $Y$ | $Q$ | $M$ | $O$ | $T$ | $Y$ | $T$ |
| $B$ | $F$ | $N$ | $H$ | $S$ | $P$ | $N$ | $T$ | $W$ | $H$ | $X$ | $S$ | $S$ | $O$ | $I$ | $H$ | $A$ | $U$ | $N$ | $N$ | $L$ | $S$ | $U$ |
| $E$ | $O$ | $T$ | $I$ | $A$ | $L$ | $E$ | $G$ | $O$ | $Y$ | $B$ | $N$ | $O$ | $H$ | $T$ | $L$ | $B$ | $V$ | $W$ | $F$ | $U$ | $U$ | $Q$ |
| $A$ | $G$ | $T$ | $E$ | $M$ | $Y$ | $P$ | $L$ | $F$ | $X$ | $W$ | $K$ | $I$ | $L$ | $A$ | $H$ | $Y$ | $T$ | $R$ | $N$ | $F$ | $I$ | $V$ |
| $U$ | $E$ | $Z$ | $B$ | $E$ | $G$ | $E$ | $G$ | $G$ | $N$ | $I$ | $S$ | $A$ | $E$ | $L$ | $P$ | $N$ | $D$ | $W$ | $U$ | $T$ | $T$ | $G$ |
| $T$ | $T$ | $G$ | $D$ | $U$ | $S$ | $K$ | $H$ | $W$ | $N$ | $O$ | $E$ | $Z$ | $D$ | $W$ | $A$ | $E$ | $E$ | $A$ | $U$ | $C$ | $A$ | $R$ |
| $I$ | $J$ | $N$ | $M$ | $O$ | $O$ | $V$ | $A$ | $G$ | $U$ | $H$ | $T$ | $L$ | $W$ | $I$ | $K$ | $I$ | $L$ | $Z$ | $L$ | $E$ | $B$ | $A$ |
| $F$ | $O$ | $T$ | $M$ | $M$ | $Q$ | $D$ | $R$ | $S$ | $Z$ | $V$ | $J$ | $Q$ | $D$ | $B$ | $W$ | $V$ | $I$ | $Y$ | $L$ | $P$ | $L$ | $C$ |
| $U$ | $Y$ | $E$ | $N$ | $J$ | $V$ | $V$ | $E$ | $M$ | $G$ | $T$ | $J$ | $A$ | $J$ | $L$ | $I$ | $K$ | $C$ | $R$ | $M$ | $S$ | $E$ | $E$ |
| $L$ | $A$ | $C$ | $F$ | $S$ | $Y$ | $D$ | $H$ | $C$ | $H$ | $A$ | $R$ | $M$ | $I$ | $N$ | $G$ | $G$ | $A$ | $D$ | $L$ | $E$ | $S$ | $F$ |
| $U$ | $V$ | $K$ | $O$ | $E$ | $P$ | $H$ | $C$ | $E$ | $E$ | $E$ | $V$ | $I$ | $T$ | $C$ | $A$ | $R$ | $T$ | $T$ | $A$ | $R$ | $M$ | $U$ |
| $X$ | $G$ | $A$ | $H$ | $E$ | $B$ | $R$ | $W$ | $G$ | $B$ | $N$ | $K$ | $O$ | $R$ | $W$ | $X$ | $R$ | $E$ | $V$ | $R$ | $O$ | $V$ | $L$ |
| $Y$ | $E$ | $K$ | $G$ | $M$ | $F$ | $T$ | $E$ | $X$ | $W$ | $N$ | $T$ | $V$ | $O$ | $G$ | $R$ | $I$ | $U$ | $S$ | $D$ | $W$ | $J$ | $Y$ |
| $P$ | $N$ | $X$ | $U$ | $L$ | $W$ | $L$ | $S$ | $T$ | $R$ | $T$ | $Y$ | $U$ | $S$ | $E$ | $T$ | $X$ | $H$ | $E$ | $R$ | $O$ | $R$ | $P$ |
| $H$ | $S$ | $D$ | $T$ | $Y$ | $Y$ | $W$ | $T$ | $F$ | $T$ | $I$ | $E$ | $L$ | $Y$ | $W$ | $V$ | $I$ | $S$ | $T$ | $F$ | $V$ | $T$ | $O$ |
| $M$ | $C$ | $O$ | $I$ | $V$ | $W$ | $W$ | $M$ | $K$ | $Z$ | $Y$ | $R$ | $S$ | $H$ | $I$ | $P$ | $T$ | $Y$ | $F$ | $I$ | $N$ | $E$ | $Z$ |

## Puzzle 117

| AGREEABLE | ELEGANT | PLEASING |
| :--- | :--- | :--- |
| APPEALING | EXQUISITE | POLITE |
| ATTRACTIVE | FINE | PRETTY |
| BEAUTIFUL | GOODLOOKING | RADIANT |
| BECOMING | GRACEFUL | RESPECTFUL |
| BRIGHTEYED | HANDSOME | ROSY |
| CHARMING | HEALTHY | SEEMLY |
| CURVACEOUS | LADYLIKE | SHAPELY |
| DECENT | LOVELY | SUITABLE |
| DELICATE | MODEST | WHOLESOME |
| DIVINE | NICE |  |


| $G$ | $N$ | $I$ | $D$ | $I$ | $B$ | $A$ | $P$ | $E$ | $T$ | $E$ | $R$ | $N$ | $A$ | $L$ | $F$ | $Q$ | $K$ | $D$ | $I$ | $Z$ | $I$ | $C$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $K$ | $X$ | $I$ | $E$ | $R$ | $E$ | $L$ | $D$ | $H$ | $Y$ | $O$ | $A$ | $O$ | $M$ | $I$ | $Z$ | $T$ | $K$ | $Z$ | $T$ | $N$ | $M$ | $L$ |
| $U$ | $X$ | $R$ | $T$ | $D$ | $B$ | $M$ | $O$ | $B$ | $T$ | $R$ | $E$ | $C$ | $U$ | $R$ | $R$ | $E$ | $N$ | $T$ | $M$ | $H$ | $P$ | $A$ |
| $Y$ | $P$ | $R$ | $O$ | $B$ | $J$ | $L$ | $A$ | $Y$ | $S$ | $O$ | $L$ | $I$ | $D$ | $E$ | $N$ | $T$ | $I$ | $C$ | $A$ | $L$ | $S$ | $C$ |
| $Q$ | $Z$ | $E$ | $V$ | $N$ | $Y$ | $T$ | $Z$ | $S$ | $A$ | $V$ | $X$ | $F$ | $A$ | $M$ | $A$ | $O$ | $K$ | $I$ | $B$ | $S$ | $E$ | $I$ |
| $K$ | $G$ | $V$ | $E$ | $E$ | $D$ | $E$ | $X$ | $I$ | $F$ | $L$ | $S$ | $P$ | $D$ | $M$ | $B$ | $T$ | $H$ | $M$ | $P$ | $S$ | $R$ | $D$ |
| $B$ | $M$ | $E$ | $D$ | $C$ | $D$ | $V$ | $K$ | $Y$ | $T$ | $Z$ | $X$ | $S$ | $F$ | $L$ | $T$ | $N$ | $Z$ | $T$ | $L$ | $N$ | $I$ | $O$ |
| $X$ | $F$ | $R$ | $N$ | $O$ | $X$ | $A$ | $F$ | $H$ | $R$ | $Y$ | $C$ | $I$ | $T$ | $A$ | $M$ | $E$ | $T$ | $S$ | $Y$ | $S$ | $O$ | $H$ |
| $R$ | $V$ | $S$ | $Q$ | $N$ | $M$ | $R$ | $C$ | $T$ | $E$ | $G$ | $O$ | $Q$ | $N$ | $R$ | $S$ | $W$ | $O$ | $M$ | $R$ | $U$ | $U$ | $T$ |
| $J$ | $V$ | $I$ | $Y$ | $S$ | $M$ | $N$ | $A$ | $R$ | $S$ | $O$ | $H$ | $X$ | $J$ | $N$ | $R$ | $A$ | $Y$ | $J$ | $R$ | $N$ | $S$ | $E$ |
| $K$ | $L$ | $B$ | $Y$ | $T$ | $U$ | $B$ | $Y$ | $O$ | $O$ | $N$ | $C$ | $F$ | $B$ | $E$ | $F$ | $M$ | $C$ | $D$ | $R$ | $I$ | $Q$ | $M$ |
| $V$ | $Q$ | $L$ | $L$ | $A$ | $E$ | $Y$ | $E$ | $W$ | $L$ | $X$ | $M$ | $E$ | $R$ | $K$ | $V$ | $L$ | $E$ | $D$ | $A$ | $Y$ | $H$ | $Y$ |
| $X$ | $E$ | $E$ | $T$ | $N$ | $N$ | $M$ | $R$ | $T$ | $U$ | $B$ | $Z$ | $I$ | $Z$ | $O$ | $X$ | $U$ | $A$ | $Z$ | $D$ | $E$ | $F$ | $E$ |
| $Y$ | $Y$ | $S$ | $U$ | $T$ | $D$ | $R$ | $E$ | $S$ | $T$ | $S$ | $M$ | $N$ | $C$ | $R$ | $N$ | $F$ | $S$ | $V$ | $P$ | $Y$ | $T$ | $O$ |
| $E$ | $B$ | $S$ | $M$ | $F$ | $U$ | $C$ | $G$ | $U$ | $E$ | $M$ | $S$ | $N$ | $J$ | $B$ | $L$ | $H$ | $E$ | $S$ | $E$ | $V$ | $S$ | $S$ |
| $Q$ | $Y$ | $S$ | $G$ | $C$ | $R$ | $H$ | $U$ | $R$ | $U$ | $V$ | $Z$ | $E$ | $L$ | $N$ | $Y$ | $T$ | $L$ | $F$ | $R$ | $H$ | $W$ | $R$ |
| $E$ | $U$ | $E$ | $W$ | $P$ | $I$ | $W$ | $L$ | $T$ | $P$ | $C$ | $F$ | $S$ | $L$ | $U$ | $A$ | $I$ | $E$ | $V$ | $M$ | $A$ | $N$ | $M$ |
| $T$ | $R$ | $L$ | $A$ | $P$ | $N$ | $O$ | $A$ | $H$ | $O$ | $J$ | $M$ | $V$ | $T$ | $G$ | $J$ | $A$ | $S$ | $N$ | $A$ | $B$ | $I$ | $M$ |
| $U$ | $H$ | $D$ | $A$ | $K$ | $G$ | $B$ | $R$ | $J$ | $M$ | $I$ | $Z$ | $R$ | $O$ | $A$ | $N$ | $F$ | $S$ | $Y$ | $N$ | $I$ | $T$ | $O$ |
| $U$ | $X$ | $N$ | $K$ | $N$ | $L$ | $T$ | $R$ | $V$ | $E$ | $T$ | $V$ | $H$ | $I$ | $A$ | $B$ | $A$ | $X$ | $E$ | $E$ | $T$ | $P$ | $E$ |
| $A$ | $V$ | $E$ | $O$ | $E$ | $I$ | $H$ | $J$ | $H$ | $C$ | $W$ | $Q$ | $I$ | $T$ | $F$ | $O$ | $L$ | $H$ | $Y$ | $N$ | $U$ | $D$ | $C$ |
| $T$ | $L$ | $Q$ | $M$ | $I$ | $E$ | $E$ | $A$ | $H$ | $A$ | $D$ | $Q$ | $R$ | $K$ | $O$ | $F$ | $E$ | $E$ | $C$ | $T$ | $A$ | $M$ | $Q$ |
| $H$ | $D$ | $N$ | $R$ | $A$ | $C$ | $I$ | $W$ | $C$ | $F$ | $U$ | $J$ | $T$ | $N$ | $E$ | $U$ | $Q$ | $E$ | $R$ | $F$ | $L$ | $F$ | $X$ |

## Puzzle 118

| ABIDING | FIXED | RESOLUTE |
| :--- | :--- | :--- |
| CEASELESS | FREQUENT | SAME |
| CHANGLESS | HABITUAL | SERIOUS |
| CONSTANT | IDENTICAL | SOLID |
| DEVOTED | IMMUTABLE | STABLE |
| ENDLESS | IRREVERSIBLE | STAUNCH |
| ENDURING | LOYAL | STEADY |
| ETERNAL | METHODICAL | SYSTEMATIC |
| FAITHFUL | PERMANENT | TRUSTWORTHY |
| FAST | RECURRENT | UNBROKEN |
| FIRM | REGULAR |  |


| $D$ | $A$ | $Y$ | $F$ | $J$ | $H$ | $V$ | $T$ | $A$ | $P$ | $S$ | $M$ | $H$ | $T$ | $X$ | $Y$ | $K$ | $C$ | $J$ | $I$ | $U$ | $W$ | $W$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $H$ | $J$ | $Y$ | $D$ | $Z$ | $C$ | $P$ | $I$ | $C$ | $G$ | $R$ | $R$ | $H$ | $Z$ | $R$ | $G$ | $N$ | $I$ | $R$ | $U$ | $D$ | $N$ | $E$ |
| $A$ | $H$ | $P$ | $Y$ | $A$ | $N$ | $A$ | $S$ | $A$ | $I$ | $N$ | $E$ | $T$ | $E$ | $R$ | $N$ | $A$ | $L$ | $M$ | $X$ | $E$ | $G$ | $S$ |
| $N$ | $S$ | $H$ | $Y$ | $Y$ | $U$ | $Z$ | $T$ | $F$ | $Z$ | $L$ | $I$ | $T$ | $A$ | $N$ | $B$ | $Y$ | $Q$ | $N$ | $P$ | $O$ | $J$ | $Y$ |
| $L$ | $A$ | $Y$ | $O$ | $L$ | $A$ | $O$ | $E$ | $H$ | $C$ | $U$ | $H$ | $D$ | $T$ | $P$ | $D$ | $W$ | $N$ | $Z$ | $R$ | $Y$ | $U$ | $H$ |
| $Q$ | $E$ | $Z$ | $R$ | $C$ | $T$ | $W$ | $A$ | $S$ | $S$ | $R$ | $R$ | $W$ | $I$ | $E$ | $U$ | $L$ | $Z$ | $Y$ | $B$ | $V$ | $N$ | $W$ |
| $N$ | $I$ | $W$ | $S$ | $Q$ | $S$ | $B$ | $D$ | $U$ | $H$ | $Y$ | $X$ | $A$ | $U$ | $B$ | $C$ | $C$ | $E$ | $Q$ | $P$ | $M$ | $B$ | $E$ |
| $T$ | $E$ | $P$ | $I$ | $G$ | $I$ | $N$ | $Y$ | $O$ | $F$ | $A$ | $S$ | $O$ | $L$ | $O$ | $A$ | $G$ | $N$ | $S$ | $E$ | $L$ | $R$ | $X$ |
| $N$ | $Y$ | $K$ | $Y$ | $T$ | $K$ | $T$ | $D$ | $I$ | $Z$ | $R$ | $D$ | $T$ | $V$ | $U$ | $S$ | $X$ | $F$ | $Q$ | $S$ | $A$ | $O$ | $J$ |
| $E$ | $D$ | $I$ | $U$ | $L$ | $P$ | $X$ | $T$ | $R$ | $O$ | $E$ | $E$ | $K$ | $E$ | $S$ | $G$ | $R$ | $M$ | $C$ | $Q$ | $C$ | $K$ | $T$ |
| $R$ | $V$ | $A$ | $W$ | $U$ | $R$ | $A$ | $T$ | $E$ | $C$ | $T$ | $D$ | $Z$ | $T$ | $M$ | $E$ | $E$ | $G$ | $P$ | $A$ | $I$ | $E$ | $T$ |
| $R$ | $L$ | $C$ | $I$ | $D$ | $O$ | $R$ | $Y$ | $S$ | $U$ | $Z$ | $N$ | $K$ | $X$ | $Q$ | $A$ | $K$ | $R$ | $T$ | $E$ | $D$ | $N$ | $C$ |
| $U$ | $M$ | $S$ | $P$ | $E$ | $A$ | $P$ | $E$ | $L$ | $M$ | $I$ | $U$ | $A$ | $U$ | $T$ | $K$ | $T$ | $B$ | $S$ | $W$ | $O$ | $M$ | $H$ |
| $C$ | $T$ | $L$ | $T$ | $T$ | $T$ | $F$ | $F$ | $I$ | $X$ | $E$ | $D$ | $E$ | $T$ | $Q$ | $N$ | $T$ | $I$ | $V$ | $Z$ | $H$ | $B$ | $W$ |
| $E$ | $Y$ | $M$ | $G$ | $O$ | $S$ | $J$ | $G$ | $E$ | $M$ | $W$ | $N$ | $O$ | $R$ | $S$ | $F$ | $E$ | $D$ | $C$ | $C$ | $T$ | $D$ | $V$ |
| $R$ | $F$ | $Z$ | $U$ | $V$ | $U$ | $C$ | $T$ | $I$ | $O$ | $T$ | $K$ | $X$ | $H$ | $N$ | $N$ | $G$ | $N$ | $O$ | $R$ | $E$ | $K$ | $Y$ |
| $Y$ | $V$ | $Y$ | $L$ | $E$ | $A$ | $G$ | $M$ | $Q$ | $S$ | $C$ | $S$ | $T$ | $H$ | $X$ | $X$ | $O$ | $H$ | $A$ | $G$ | $M$ | $S$ | $W$ |
| $S$ | $L$ | $H$ | $S$ | $D$ | $Y$ | $H$ | $T$ | $R$ | $O$ | $W$ | $T$ | $S$ | $U$ | $R$ | $T$ | $N$ | $C$ | $Y$ | $M$ | $L$ | $V$ | $J$ |
| $O$ | $R$ | $E$ | $S$ | $O$ | $L$ | $U$ | $T$ | $E$ | $P$ | $T$ | $E$ | $L$ | $B$ | $I$ | $S$ | $R$ | $E$ | $V$ | $E$ | $R$ | $R$ | $I$ |
| $L$ | $C$ | $D$ | $C$ | $R$ | $T$ | $Z$ | $V$ | $E$ | $M$ | $S$ | $U$ | $G$ | $Y$ | $A$ | $K$ | $U$ | $S$ | $L$ | $G$ | $F$ | $E$ | $K$ |
| $I$ | $R$ | $T$ | $Z$ | $U$ | $P$ | $S$ | $Q$ | $H$ | $L$ | $A$ | $D$ | $F$ | $W$ | $F$ | $F$ | $Z$ | $A$ | $V$ | $V$ | $F$ | $W$ | $P$ |
| $D$ | $E$ | $L$ | $B$ | $A$ | $T$ | $U$ | $M$ | $M$ | $I$ | $F$ | $S$ | $T$ | $U$ | $I$ | $N$ | $Z$ | $K$ | $T$ | $C$ | $I$ | $K$ | $R$ |
| $D$ | $R$ | $L$ | $U$ | $F$ | $H$ | $T$ | $I$ | $A$ | $F$ | $L$ | $W$ | $F$ | $J$ | $X$ | $X$ | $D$ | $F$ | $Q$ | $Z$ | $W$ | $M$ | $S$ |

## Puzzle 119

| ATTEND | LOOKAT | SCAN |
| :--- | :--- | :--- |
| BROOD | MEDITATE | SCRUTINIZE |
| CEREBRATE | MIND | SPECULATE |
| CONSIDER | MULLOVER | STUDY |
| CONTEMPLATE | NOTE | SURMISE |
| DELIBERATE | OBSERVE | SURVEY |
| DWELLON | PEER | VIEW |
| EXAMINE | PONDER | WATCH |
| GAZEAT | REFLECT | WEIGH |
| HEED | REVIEW | WITNESS |
| INSPECT | REVOLVE |  |


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## Puzzle 120

| AUTHORITY | DOMINATE | OVERSEE |
| :--- | :--- | :--- |
| BOSS | GOVERN | POWER |
| CALLTHESHOTS | HARNESS | REGIMENT |
| CHARGE | HOLDIN | REGULATE |
| COMMAND | INFLUENCE | REIGNOVER |
| CONDUCT | LEAD | RULE |
| CONTROL | LEASH | SUPERVISE |
| DICTATE | MAINTAINORDER | SWAY |
| DIRECT | MANAGE | TYRANNY |
| DISCIPLINE | ORDER | UPPERHAND |



Puzzle 121

| ABSOLUTE | FACTUAL | RIGHT |
| :--- | :--- | :--- |
| ACCURATE | FAITHFUL | SPECIFIC |
| CLEAR | FIXED | STRICT |
| CLOSE | JUST | TRUE |
| CORRECT | OBVIOUS | UNBENDING |
| DEFINITE | PERFECT | UNERRING |
| DISTINCT | PLAIN | UNMISTAKABLE |
| EXACT | POINTED | VERACIOUS |
| EXPLICIT | PRECISE |  |
| EXPRESS | REAL |  |


| E | $R$ | $A$ | $D$ | $D$ | $S$ | $U$ | $W$ | $T$ | $U$ | $E$ | $Z$ | $E$ | $K$ | $C$ | $N$ | $M$ | $V$ | $R$ | $B$ | $E$ | $A$ | $M$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $H$ | $Z$ | $S$ | $I$ | $Y$ | $F$ | $H$ | $X$ | $W$ | $Z$ | $S$ | $Y$ | $S$ | $Q$ | $B$ | $B$ | $A$ | $A$ | $R$ | $A$ | $S$ | $L$ | $N$ |
| $V$ | $S$ | $V$ | $E$ | $S$ | $S$ | $E$ | $I$ | $I$ | $S$ | $U$ | $O$ | $E$ | $G$ | $R$ | $O$ | $G$ | $I$ | $V$ | $G$ | $H$ | $O$ | $G$ |
| $V$ | $I$ | $V$ | $C$ | $S$ | $Y$ | $X$ | $S$ | $N$ | $I$ | $O$ | $O$ | $Q$ | $E$ | $W$ | $F$ | $L$ | $S$ | $E$ | $L$ | $A$ | $O$ | $I$ |
| $V$ | $U$ | $Q$ | $Z$ | $O$ | $S$ | $Z$ | $Y$ | $K$ | $I$ | $J$ | $B$ | $P$ | $Q$ | $P$ | $L$ | $M$ | $R$ | $G$ | $O$ | $J$ | $N$ | $S$ |
| $B$ | $X$ | $W$ | $E$ | $L$ | $V$ | $U$ | $T$ | $L$ | $I$ | $N$ | $U$ | $T$ | $P$ | $I$ | $E$ | $M$ | $L$ | $G$ | $W$ | $M$ | $C$ | $H$ |
| $B$ | $P$ | $L$ | $Z$ | $G$ | $I$ | $V$ | $N$ | $I$ | $E$ | $S$ | $G$ | $I$ | $A$ | $S$ | $O$ | $E$ | $U$ | $K$ | $R$ | $T$ | $X$ | $I$ |
| $C$ | $J$ | $V$ | $A$ | $D$ | $V$ | $A$ | $S$ | $N$ | $O$ | $Q$ | $Q$ | $N$ | $N$ | $M$ | $M$ | $W$ | $S$ | $D$ | $E$ | $X$ | $T$ | $L$ |
| $N$ | $S$ | $X$ | $L$ | $Z$ | $D$ | $P$ | $X$ | $G$ | $Y$ | $B$ | $T$ | $E$ | $I$ | $A$ | $K$ | $C$ | $T$ | $G$ | $B$ | $A$ | $S$ | $U$ |
| $H$ | $H$ | $Z$ | $B$ | $L$ | $A$ | $M$ | $B$ | $E$ | $N$ | $T$ | $T$ | $R$ | $L$ | $F$ | $F$ | $I$ | $R$ | $U$ | $B$ | $A$ | $Z$ | $C$ |
| $O$ | $O$ | $A$ | $A$ | $A$ | $Q$ | $F$ | $Q$ | $X$ | $F$ | $N$ | $E$ | $F$ | $Z$ | $P$ | $L$ | $Q$ | $O$ | $K$ | $R$ | $J$ | $A$ | $E$ |
| $N$ | $T$ | $A$ | $S$ | $P$ | $L$ | $E$ | $N$ | $D$ | $I$ | $D$ | $A$ | $D$ | $A$ | $A$ | $N$ | $W$ | $U$ | $C$ | $F$ | $T$ | $Z$ | $N$ |
| $N$ | $S$ | $N$ | $S$ | $K$ | $L$ | $T$ | $G$ | $E$ | $A$ | $N$ | $N$ | $F$ | $K$ | $K$ | $I$ | $J$ | $S$ | $O$ | $R$ | $C$ | $I$ | $T$ |
| $T$ | $D$ | $I$ | $L$ | $U$ | $U$ | $O$ | $L$ | $R$ | $I$ | $Z$ | $Q$ | $M$ | $W$ | $A$ | $L$ | $T$ | $C$ | $I$ | $C$ | $V$ | $U$ | $U$ |
| $Q$ | $Z$ | $D$ | $J$ | $C$ | $C$ | $Z$ | $D$ | $I$ | $Z$ | $K$ | $Z$ | $Y$ | $Q$ | $A$ | $L$ | $I$ | $G$ | $H$ | $T$ | $R$ | $H$ | $F$ |
| $T$ | $O$ | $D$ | $W$ | $R$ | $I$ | $Z$ | $W$ | $F$ | $P$ | $K$ | $R$ | $L$ | $H$ | $R$ | $U$ | $G$ | $K$ | $T$ | $I$ | $I$ | $U$ | $M$ |
| $N$ | $Z$ | $E$ | $K$ | $F$ | $D$ | $K$ | $G$ | $A$ | $I$ | $C$ | $Q$ | $W$ | $E$ | $D$ | $M$ | $U$ | $O$ | $C$ | $J$ | $L$ | $X$ | $F$ |
| $E$ | $K$ | $I$ | $B$ | $D$ | $S$ | $Q$ | $S$ | $F$ | $E$ | $A$ | $E$ | $W$ | $N$ | $X$ | $I$ | $H$ | $H$ | $O$ | $G$ | $L$ | $W$ | $Z$ |
| $Z$ | $N$ | $K$ | $G$ | $Q$ | $O$ | $N$ | $M$ | $Z$ | $V$ | $R$ | $Y$ | $Z$ | $T$ | $Z$ | $N$ | $V$ | $L$ | $E$ | $W$ | $L$ | $A$ | $X$ |
| $Z$ | $L$ | $L$ | $V$ | $W$ | $J$ | $T$ | $C$ | $G$ | $N$ | $U$ | $N$ | $L$ | $P$ | $W$ | $A$ | $J$ | $N$ | $D$ | $G$ | $X$ | $S$ | $N$ |
| $O$ | $F$ | $K$ | $V$ | $Q$ | $X$ | $O$ | $X$ | $L$ | $O$ | $R$ | $E$ | $M$ | $B$ | $I$ | $T$ | $T$ | $Q$ | $M$ | $S$ | $E$ | $G$ | $H$ |
| $Z$ | $K$ | $Y$ | $K$ | $Y$ | $P$ | $H$ | $D$ | $L$ | $T$ | $Q$ | $S$ | $U$ | $H$ | $R$ | $E$ | $P$ | $Y$ | $C$ | $N$ | $L$ | $A$ | $G$ |
| $M$ | $B$ | $I$ | $H$ | $I$ | $L$ | $G$ | $J$ | $H$ | $L$ | $Y$ | $X$ | $X$ | $J$ | $H$ | $Q$ | $F$ | $R$ | $V$ | $M$ | $P$ | $Z$ | $N$ |

## Puzzle 122

| ABLAZE | GLOSSY | MAGNIFICENT |
| :--- | :--- | :--- |
| AFIRE | GORGEOUS | RADIANT |
| AFLAME | ILLUMINATE | RICH |
| AGLOW | INTENSE | SHINING |
| ALIGHT | IRRADIANT | SHINY |
| BEAM | LAMBENT | SPLENDID |
| BRIGHT | LUCENT | SUNNY |
| BRILLIANT | LUCID | SUPERB |
| DAZZLE | LUMINOUS | TWINKLING |
| FULGENT | LUSTROUS | VIVID |


| $F$ | $P$ | $U$ | $Y$ | $T$ | $T$ | $N$ | $E$ | $E$ | $T$ | $A$ | $L$ | $U$ | $D$ | $O$ | $M$ | $Z$ | $H$ | $E$ | $S$ | $Y$ | $K$ | $E$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $L$ | $L$ | $Q$ | $L$ | $W$ | $N$ | $C$ | $I$ | $M$ | $B$ | $H$ | $C$ | $A$ | $A$ | $P$ | $H$ | $H$ | $S$ | $S$ | $T$ | $C$ | $O$ | $M$ |
| $L$ | $M$ | $D$ | $J$ | $C$ | $M$ | $E$ | $U$ | $Z$ | $O$ | $O$ | $G$ | $I$ | $Q$ | $L$ | $B$ | $S$ | $H$ | $A$ | $C$ | $Y$ | $C$ | $K$ |
| $A$ | $N$ | $E$ | $T$ | $O$ | $O$ | $Y$ | $T$ | $R$ | $N$ | $D$ | $N$ | $D$ | $M$ | $T$ | $I$ | $I$ | $W$ | $E$ | $D$ | $C$ | $K$ | $V$ |
| $F$ | $M$ | $O$ | $Z$ | $I$ | $O$ | $Y$ | $U$ | $F$ | $B$ | $R$ | $V$ | $E$ | $I$ | $I$ | $C$ | $N$ | $J$ | $R$ | $E$ | $J$ | $N$ | $N$ |
| $D$ | $C$ | $Z$ | $I$ | $X$ | $Q$ | $X$ | $W$ | $R$ | $O$ | $N$ | $W$ | $P$ | $D$ | $Z$ | $V$ | $I$ | $R$ | $C$ | $T$ | $I$ | $S$ | $E$ |
| $X$ | $E$ | $H$ | $P$ | $S$ | $H$ | $T$ | $E$ | $V$ | $L$ | $S$ | $Q$ | $N$ | $K$ | $A$ | $P$ | $M$ | $Z$ | $E$ | $H$ | $P$ | $N$ | $T$ |
| $H$ | $Q$ | $P$ | $E$ | $M$ | $N$ | $W$ | $W$ | $E$ | $L$ | $X$ | $A$ | $S$ | $W$ | $N$ | $E$ | $I$ | $S$ | $D$ | $A$ | $Q$ | $C$ | $H$ |
| $W$ | $V$ | $L$ | $K$ | $C$ | $O$ | $E$ | $S$ | $K$ | $H$ | $Q$ | $O$ | $T$ | $O$ | $N$ | $E$ | $D$ | $O$ | $W$ | $N$ | $U$ | $U$ | $G$ |
| T | $W$ | $Z$ | $A$ | $L$ | $K$ | $S$ | $T$ | $I$ | $K$ | $M$ | $I$ | $L$ | $D$ | $E$ | $N$ | $Z$ | $U$ | $N$ | $T$ | $I$ | $S$ | $I$ |
| $I$ | $N$ | $J$ | $L$ | $N$ | $E$ | $A$ | $F$ | $B$ | $T$ | $G$ | $N$ | $H$ | $P$ | $H$ | $Q$ | $X$ | $G$ | $L$ | $Q$ | $E$ | $H$ | $L$ |
| $S$ | $Y$ | $U$ | $S$ | $N$ | $U$ | $X$ | $B$ | $W$ | $R$ | $L$ | $S$ | $S$ | $G$ | $R$ | $O$ | $S$ | $O$ | $I$ | $L$ | $T$ | $I$ | $P$ |
| $P$ | $W$ | $K$ | $L$ | $E$ | $C$ | $U$ | $D$ | $E$ | $R$ | $B$ | $E$ | $R$ | $Q$ | $T$ | $E$ | $T$ | $A$ | $R$ | $E$ | $D$ | $O$ | $M$ |
| $H$ | $S$ | $U$ | $H$ | $B$ | $W$ | $C$ | $O$ | $U$ | $T$ | $G$ | $Q$ | $O$ | $L$ | $P$ | $M$ | $N$ | $J$ | $L$ | $A$ | $P$ | $N$ | $W$ |
| $Q$ | $Y$ | $P$ | $Q$ | $O$ | $F$ | $K$ | $C$ | $K$ | $A$ | $A$ | $E$ | $V$ | $E$ | $I$ | $L$ | $E$ | $R$ | $D$ | $Q$ | $G$ | $M$ | $R$ |
| $Y$ | $F$ | $I$ | $L$ | $L$ | $O$ | $M$ | $L$ | $U$ | $N$ | $Q$ | $I$ | $P$ | $K$ | $S$ | $R$ | $B$ | $J$ | $L$ | $O$ | $O$ | $S$ | $E$ |
| $X$ | $A$ | $L$ | $E$ | $N$ | $F$ | $H$ | $S$ | $E$ | $S$ | $E$ | $W$ | $V$ | $S$ | $N$ | $O$ | $X$ | $E$ | $H$ | $S$ | $L$ | $B$ | $J$ |
| $E$ | $E$ | $S$ | $O$ | $Y$ | $Z$ | $S$ | $K$ | $E$ | $N$ | $V$ | $I$ | $E$ | $E$ | $I$ | $X$ | $N$ | $D$ | $L$ | $I$ | $V$ | $D$ | $P$ |
| $M$ | $V$ | $M$ | $V$ | $E$ | $A$ | $C$ | $C$ | $W$ | $J$ | $U$ | $Z$ | $T$ | $A$ | $L$ | $O$ | $T$ | $I$ | $C$ | $A$ | $I$ | $H$ | $C$ |
| $W$ | $L$ | $L$ | $W$ | $S$ | $A$ | $L$ | $W$ | $L$ | $A$ | $D$ | $S$ | $R$ | $H$ | $K$ | $L$ | $D$ | $H$ | $Q$ | $L$ | $G$ | $F$ | $Q$ |
| $C$ | $R$ | $I$ | $X$ | $L$ | $S$ | $R$ | $L$ | $N$ | $L$ | $A$ | $C$ | $H$ | $T$ | $G$ | $E$ | $A$ | $F$ | $J$ | $C$ | $X$ | $B$ | $H$ |
| $M$ | $E$ | $I$ | $S$ | $F$ | $V$ | $T$ | $T$ | $A$ | $H$ | $M$ | $G$ | $W$ | $E$ | $B$ | $J$ | $N$ | $C$ | $Z$ | $R$ | $F$ | $W$ | $E$ |
| $G$ | $Q$ | $K$ | $R$ | $E$ | $L$ | $A$ | $X$ | $C$ | $P$ | $P$ | $I$ | $C$ | $T$ | $A$ | $Z$ | $S$ | $D$ | $G$ | $Q$ | $A$ | $Y$ | $Q$ |

## Puzzle 123

| ALLAY | DULL | QUIET |
| :--- | :--- | :--- |
| ALLEVIATE | EASEUP | REDUCE |
| ASSUAGE | HUSH | RELAX |
| BLUNT | LESSEN | RELIEVE |
| CHASTEN | LIGHTEN | SLACKEN |
| CHECK | LOOSE | SLAKE |
| CURB | LOWER | SOFTEN |
| CUSHION | MELLOW | TENSION |
| DAMP | MILDEN | TONEDOWN |
| DEADEN | MODERATE | WEAKEN |
| DECREASE | MODULATE |  |
| DIMINISH | MOLLIFY |  |


| $S$ | $Z$ | $P$ | $T$ | $V$ | $I$ | $T$ | $D$ | $R$ | $Z$ | $N$ | $D$ | $U$ | $W$ | $M$ | $T$ | $Y$ | $U$ | $R$ | $D$ | $Y$ | $D$ | $Y$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $F$ | $H$ | $X$ | $Q$ | $H$ | $R$ | $E$ | $S$ | $Q$ | $V$ | $I$ | $Z$ | $O$ | $H$ | $N$ | $R$ | $G$ | $I$ | $P$ | $Y$ | $N$ | $Z$ | $K$ |
| $E$ | $O$ | $R$ | $J$ | $A$ | $Q$ | $Z$ | $C$ | $O$ | $K$ | $M$ | $M$ | $Q$ | $Z$ | $O$ | $C$ | $U$ | $Z$ | $U$ | $Y$ | $F$ | $R$ | $Y$ |
| $R$ | $R$ | $N$ | $T$ | $X$ | $H$ | $E$ | $D$ | $Q$ | $N$ | $C$ | $Z$ | $O$ | $E$ | $E$ | $W$ | $V$ | $K$ | $D$ | $J$ | $X$ | $W$ | $K$ |
| $L$ | $N$ | $S$ | $Z$ | $C$ | $A$ | $Z$ | $T$ | $G$ | $K$ | $K$ | $I$ | $H$ | $S$ | $E$ | $B$ | $U$ | $E$ | $I$ | $X$ | $N$ | $X$ | $X$ |
| $M$ | $O$ | $N$ | $W$ | $Z$ | $U$ | $N$ | $B$ | $D$ | $N$ | $X$ | $T$ | $U$ | $A$ | $K$ | $V$ | $O$ | $T$ | $G$ | $G$ | $N$ | $V$ | $T$ |
| $H$ | $I$ | $S$ | $K$ | $C$ | $H$ | $P$ | $Q$ | $R$ | $U$ | $I$ | $I$ | $W$ | $Y$ | $K$ | $O$ | $R$ | $V$ | $X$ | $I$ | $Y$ | $C$ | $Z$ |
| $A$ | $N$ | $W$ | $L$ | $V$ | $N$ | $K$ | $H$ | $T$ | $I$ | $N$ | $T$ | $P$ | $X$ | $J$ | $F$ | $E$ | $O$ | $U$ | $T$ | $O$ | $Z$ | $G$ |
| $N$ | $I$ | $G$ | $I$ | $R$ | $O$ | $K$ | $H$ | $N$ | $F$ | $N$ | $A$ | $F$ | $Y$ | $X$ | $W$ | $H$ | $N$ | $S$ | $N$ | $B$ | $S$ | $L$ |
| $E$ | $P$ | $Y$ | $V$ | $Y$ | $A$ | $C$ | $G$ | $E$ | $K$ | $G$ | $G$ | $O$ | $A$ | $C$ | $J$ | $Z$ | $V$ | $S$ | $F$ | $W$ | $E$ | $W$ |
| $R$ | $O$ | $T$ | $J$ | $U$ | $D$ | $N$ | $R$ | $M$ | $I$ | $H$ | $D$ | $I$ | $T$ | $R$ | $J$ | $Q$ | $I$ | $F$ | $B$ | $V$ | $T$ | $E$ |
| $F$ | $U$ | $D$ | $V$ | $N$ | $G$ | $E$ | $D$ | $G$ | $L$ | $D$ | $C$ | $P$ | $N$ | $K$ | $D$ | $D$ | $R$ | $F$ | $S$ | $D$ | $R$ | $T$ |
| $Y$ | $W$ | $R$ | $V$ | $G$ | $N$ | $G$ | $Z$ | $D$ | $C$ | $O$ | $E$ | $C$ | $E$ | $G$ | $E$ | $P$ | $V$ | $F$ | $F$ | $P$ | $M$ | $A$ |
| $B$ | $K$ | $H$ | $C$ | $C$ | $B$ | $W$ | $V$ | $U$ | $N$ | $V$ | $G$ | $A$ | $T$ | $R$ | $F$ | $A$ | $J$ | $H$ | $O$ | $X$ | $U$ | $L$ |
| $E$ | $I$ | $U$ | $E$ | $H$ | $D$ | $M$ | $E$ | $J$ | $J$ | $N$ | $B$ | $H$ | $A$ | $P$ | $S$ | $O$ | $V$ | $G$ | $O$ | $V$ | $D$ | $U$ |
| $L$ | $M$ | $T$ | $O$ | $G$ | $C$ | $S$ | $E$ | $O$ | $I$ | $I$ | $O$ | $T$ | $B$ | $O$ | $E$ | $U$ | $R$ | $V$ | $S$ | $N$ | $L$ | $T$ |
| $I$ | $J$ | $A$ | $O$ | $C$ | $I$ | $C$ | $J$ | $D$ | $E$ | $U$ | $I$ | $Q$ | $W$ | $K$ | $N$ | $C$ | $A$ | $T$ | $I$ | $O$ | $B$ | $S$ |
| $E$ | $U$ | $U$ | $X$ | $M$ | $T$ | $O$ | $D$ | $N$ | $G$ | $O$ | $B$ | $N$ | $T$ | $T$ | $M$ | $R$ | $N$ | $S$ | $H$ | $E$ | $H$ | $O$ |
| $F$ | $Q$ | $U$ | $R$ | $U$ | $K$ | $U$ | $K$ | $H$ | $N$ | $P$ | $X$ | $W$ | $W$ | $S$ | $Q$ | $J$ | $K$ | $O$ | $I$ | $O$ | $W$ | $P$ |
| $S$ | $K$ | $U$ | $R$ | $A$ | $B$ | $Z$ | $T$ | $L$ | $J$ | $R$ | $X$ | $A$ | $V$ | $K$ | $L$ | $P$ | $S$ | $V$ | $C$ | $O$ | $K$ | $D$ |
| $Z$ | $S$ | $E$ | $Z$ | $P$ | $X$ | $H$ | $I$ | $Z$ | $V$ | $I$ | $V$ | $D$ | $M$ | $R$ | $A$ | $V$ | $H$ | $Y$ | $Y$ | $C$ | $N$ | $T$ |
| $G$ | $T$ | $W$ | $H$ | $C$ | $N$ | $U$ | $A$ | $L$ | $R$ | $M$ | $Q$ | $H$ | $Y$ | $P$ | $O$ | $T$ | $H$ | $E$ | $S$ | $I$ | $S$ | $Y$ |
| $P$ | $K$ | $C$ | $E$ | $M$ | $K$ | $C$ | $K$ | $T$ | $H$ | $E$ | $Q$ | $Q$ | $T$ | $L$ | $X$ | $Q$ | $H$ | $K$ | $U$ | $G$ | $I$ | $G$ |

## Puzzle 124

| ABSTRACTION | DAWN | ORIGIN |
| :--- | :--- | :--- |
| APPREHENSION | DRAFTING | PERSUASION |
| BELIEF | HYPOTHESIS | POSTULATE |
| BRINGINGFORTH | IDEA | PRESUMPTION |
| BUDDING | INCEPTION | PRIME |
| CONCEPT | INFERENCE | START |
| CONCLUSION | JUDGMENT | SURMISE |
| CONJECTURE | LAUNCH | THEORY |
| CONSIDERATION | NOTION | THOUGHT |
| CONVICTION | OPINION | VIEW |

## Crossword Puzzles

Answer each question based on the number of boxes allotted for a given answer entry. For tips on brushing up on your crossword puzzles skills, please see Chapter 2.

## Easy

## Across

1. Karim of the Khans, e.g.
2. Where to make waves?
3. Barber chair attachment
4. Grier of "Jackie Brown"
5. Freshman cadet
6. Ho opener
7. It's right under your nose
8. Vegetable spreads
9. Calliope kin
10. Small rural community
11. Variety of sheep
12. Spanish article
13. Setting for many jokes
14. Sired
15. Berth position, perhaps
16. Former Venetian
chief magistrate
17. Boredom
18. Showed amazement or pleasure
19. It cuts both ways
20. Make oneself heard
21. More demure
22. Bold and sassy
23. At right angles to the length of a ship 45. "Coming of Age in Samoa" author
24. Japanese capital 50. Vinegar partner
25. TV type
26. Shot from beyond the arc
27. Beethoven wrote one
28. Maid preceder
29. PC key
30. Melchior, for one
31. Bathtub part
32. Status of an unresolved contest, perhaps
33. Preference
34. Some beans
35. Teacup handle

## Down

1. Self-assurance
2. Certain dive
3. Unit named for a

French physicist
4. Part of a place setting
5. Complete, as an athlete
6. Van Cleef and Grant, for two
7. Woodwind instrument
8. Hershey competitor
9. TV Guide listings
10. Cousin of a gull
11. Unprestigious publication
12. Fertility clinic needs
13. Sword vanquisher, figuratively
21. Go underground
22. It's needed for a stroke
25. Atomic physicist Niels
26. Elderly
27. Type of meat or pepper
30. Certain diminutive dog
31. Jigsaw part
32. Hotel employee, perhaps
34. It's not gross
35. IOU component
36. Pilgrim's pronoun
37. Threadbare
38. 1950 film noir thriller
39. Formal meetings
40. Bug someone, e.g.
43. Broadcast
44. Uses a certain kitchen appliance
46. Grand property
47. Famous aviator Earhart
48. Fast freshwater fish
50. Chicago airport
52. They may be put on homes
53. Race pace, perhaps
54. Continental currency
55. Evangelist's suggestion
56. Mel of the 500 home run club
57. Whistle part, perhaps
58. Printing measures

Chapter 4: Puzzles 105


## Puzzle 125

Across

1. Spanish munchies
2. Vegetable or tomato, e.g.
3. Industry magnate
4. Come up
5. Lhasa $\qquad$
6. Memorable Robinson role
7. Patty of "Peanuts"
8. Some queens, e.g.
9. 67.5 degrees, to mariners
10. Unspecified amount
11. Italian bowling game
12. Spanky and the gang
13. Company car, e.g.
14. Screech, for one
15. Varieties of nuts
16. Super Bowl V winners
17. Pick the pick of the litter, e.g.
18. Prefix follower
19. Item of finality in the paper, briefly
20. Insanely
21. It may be delivered at a nightclub
22. Noted clown
23. Assocs.
24. Deejay Casey
25. Epitome of thinness
26. Pen name
27. Mama of pop music
28. Word in a Captain and Tennille title
29. Token room?
30. Drops the ball
31. Pie-mode link
32. Bird in a crazy simile
33. Hard-to-pronounce word
60 . Vended
34. Jai $\qquad$
35. Famous Butler
36. Sanction
37. Icarus appendage
38. Lee and Teasdale

## Down

1. Give a point to
2. Rock concert venue, sometimes
3. Plumber's concerns
4. Viper
5. Boards with ups and downs
6. "Dynasty" actress
7. Sheriff Taylor's boy
8. Mil. branch
9. Personal trainer's target
10. Jim-dandy
11. Vitamin additive, sometimes
12. Opener on Broadway?
13. Gift for a diva, perhaps
14. Great thing to be on
15. Royal symbol
16. Circus confection
17. They may be hard to swallow
18. Falsify, in a way
19. Aussie hoppers, briefly
20. It's a drag
21. Goblet feature
22. Ballplayer Ty
23. Shawm follower
24. Maugham's "_ of Lambeth"
25. Reiner and Perkins
26. Saskatchewan city
27. Mugs
28. Launch site
29. Duel personality?
30. Character in gangster film spoofs
31. Suburbanite, on some autumn days
32. Prince Valiant's wife
33. Some pastries
34. Furthermore
35. Fischer's castle
36. A caffeine source
37. McGregor of
"Trainspotting"
38. He stung like a bee
39. "So, there you are!"

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| 63 |  |  |  |  | 64 |  |  |  |  | 65 |  |  |  |  |

## Puzzle 126

Across

1. Certain superior's title
2. 41st on a noted list
3. Old foolish person
4. Flintstone's boss
5. Victor over Connors, 1975
6. Opulent
7. Nest up high
8. Boilermaker part
9. Miss Kett of old comics
10. It counts votes
11. They may be ringing
12. Army outfit
13. Browned in butter (Var.)
14. "Yuck!"
15. Semicircular recess
16. They take sides
17. You may vote in it
18. Vote checkers
19. Second highest in a family of instruments
20. Govt. health watchdog
21. Picture puzzle
22. Follow
23. Love, Spanish style
24. Cause of some confusion in 2000
25. Anthropoids
26. "It must have been
something __"
61.24 sheets
62.500 sheets
27. Type of matter

64 . Word before city or workings
65. Dried and withered
66. Blood and guts, e.g.
67. First U.S.-born saint

## Down

1. Posthaste, briefly
2.__cheese dressing (Var.)
2. Storm start
3. Relating to the ear
4. Subdued chuckle
5. Storybook elephant
6. Kind of manual
7. Jettison
8. Mainz mister
9. Limpid
10. Go one better than
11. Prefix with arthritis
12. "Amadeus"
choreographer
13. Bounder
14. Set of values
15. Spice rack member
16. The very top
17. Md. institution
18. Abound
19. WWW addresses
20. Co. that merged to become Verizon
21. Petition
33.__Lingus (Irish
airline)
22. Hunting target, perhaps
23. Is unwell
24. " $\qquad$ creature was
stirring ..."
25. Kind of leopard or goose
26. Tin soldier's prop
27. Common connection
28. Paragon of patience
29. Basra natives
30. Aspen lifts
31. 100 paise
32. Shed __ (show sympathy or sadness)
33. Informal response to
"Who's there?"
34. It may have a cross to bear
35. "I don't believe you!"
36. Diana of "The

Avengers"
54. Casino game
55. Crescent-shaped figure
56. It may get the brush-off
57. Popular cookie
58. Cousin of a

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| 65 |  |  |  |  | 66 |  |  |  |  | 67 |  |  |  |  |

Puzzle 127

Across

1. Some mantel pieces
2. Holiday helper
3. " $\qquad$ not amused"
4. Prefix for mural or venous
5. Opening for a maid?
6. Baseball Hall-of-Famer Monte
7. Trace, as of hope
8. What a kid may say
9. Broadway luminaries?
10. Dessert choice, perhaps
11. Pertaining to the eyes
12. Used a backhoe, e.g.
13. Liveliness
14. Online initials
15. Passover breads
16. Rainy day amusement, perhaps
17. Soup du jour, sometimes
18. $\qquad$ Lanka
19. Star observer
20. Author of inspirational stories for boys
21. Annika Sorenstam's homeland
22. Where to find good schools?
23. "No $\qquad$ " (sign in certain restaurants)
24. They assist MDs
25. Long, slender sword
26. Befuddle
27. Currency in 40 Across
28. Intention
29. Member of a Jamaican religion
30. Disburdened
31. Reggae relative
32. Highest stages
33. Dude, to a Brit
34. Certain layer
35. Timothy who took many trips

## Down

1. Type of circus
2. Prepare to remove an ice skate
3. Increase, as the pace
4. Follow the leader
5. American or Western follower
6. Thompson of "Howards End"
7. Bissextile year
8. Charlatan
9. Anemometer
10. Part of a palindrome
11. Shakespeare's river
12. Pug's place
13. Running's three
14. Rugged cliff
15. Hauler's destination, sometimes
16. $\qquad$ buco
17. " $\qquad$ Theme" ('’Doctor Zhivago" tune)
18. Former Russian ruler
19. Sound asleep?
20. Cheer for a bullfighter
21. Rev.'s oration
22. Family name in "The Grapes of Wrath"
23. Help mediate a conflict
24. $\qquad$ E. Coyote
25. Expressions of understanding
26. This very moment
27. Intense outrage
28. Words with uncertain terms
29. Distinctive clothing
30. Foreboding atmosphere
31. Irish hunting dog, for one
32. Type of spoon
33. Kind of hit
34. Ear-related
35. Word with mat or kick
36. Twofold
37. $\qquad$ facto
38. Use a search engine
39. Human-powered vehicle
40. Arabian monarchy
41. Fighter at Vicksburg, briefly

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Puzzle 128

## 112 Part II: Getting a Complete Puzzle Workout

## Across

1. Bestial hideaway
2. Letter before epsilon
3. Frank's daughter
4. Lot of rows to hoe?
5. Lunchbox cookies
6. Mild expletive
7. Chinese restaurant offering
8. $\qquad$ mater
9. Range of vision
10. Secret store
11. Preamble
12. Heroic narrative
13. Baseball league
14. Basic commodity
15. Northwestern U.S. capital
16. Kind of premiere
17. Well-defined prevailing wind
18. Start for lock or knock
19. Earthenware jars
20. Two pounds, plus
21. Surpassing everything
22. Spanish title of respect
23. Some siblings
24. Show for critics
25. Union of old
26. Long stoles
27. Films with casts of thousands
28. One of the world's religions
29. Gift for a malihini
30. Computer insert
31. Tense tennis situation
32. Charge for a hand delivery?
33. Blow away
34. Tuftlike mass
35. Orderly and systematic
36. Condition of many fences
37. Porgy and bass

## Down

1. Be without
2. Need liniment
3. Word with Age or cross
4. Business solicitor, for short
5. Senility
6. Susan's soap role
7. Poland's Walesa
8. Strong puff
9. Burro
10. Extremely sad films
11. Dome-shaped structure
12. Title giver
13. Sixth president
14. Heat to the boiling point
15. Tense choice?
16. Type of ballot
17. Pageant contestant
18. Absorbent stick
19. Musical sound
20. They may be fine
21. Ducks and most people have them
22. Viva voce
23. Comic King
24. One from Hanover
25. Balm ingredient, perhaps
26. Even. opposite
27. "Wanna make
something $\qquad$ ?"
28. Is indebted
29. Disney dog
30. Taken to the cleaners
31. Enclosed automobile
32. State one's belief
33. Western scene, e.g.
34. Five-alarmer, e.g.
35. "__ La Douce"
36. When it's saved it's taken
37. 1953 Caron role
38. He lived for 905 years
39. Yen
40. Help at the checkout counter
41. Switch setting

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 | 9 |  | 10 | 11 | 12 | 13 |
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| 35 |  |  |  |  | 36 |  |  |  |  |  | 37 |  |  |  |
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| 59 |  |  |  |  | 60 |  |  |  |  |  | 61 |  |  |  |

Puzzle 129

## 114 Part II: Getting a Complete Puzzle Workout

## Across

1. Place for a pat
2. It can hold its wine
3. Lamp complement
4. A malarial fever
5. Lotion base, perhaps
6. Runs sweetly
7. Scene under the big top
8. Frogs-to-be
9. "C'mon, move it!"
10. "Help __ the way!"
11. Survey
12. Upper chamber
13. Former Russian sovereigns
14. Send off, as broadcast waves
15. For everyone to hear
16. Prepares for planting
17. "Right you $\qquad$ !"
18. You may bring it to a picnic
19. Procrastinator's shopping day, perhaps
20. More than a handful
21. Semiconductor giant
22. State of inactivity
23. Clowns around
24. "Voila!"
25. "... pretty maids all in
$\qquad$
26. "Nope"
27. Type of tea
28. Voodoo deity
29. Small orchestra
30. Flap-door shelter
31. Micronesian island group (Var.)
32. Side by side?
33. Pokes along
34. Pharaoh's serpents
35. Battleship color

## Down

1. Sheet of matted cotton
2. Turkish general (Var.)
3. Edible flower head, as of cauliflower
4. Parent's words of warning or encouragement
5. Where lemons are picked?
6. Extraterrestrials
7. Mama's boys
8. It can hold its beer
9. Pitchman's delivery
10. Speed madly along
11. Circle pieces
12. Word with miracle or wonder
13. Old gas brand
14. Dawn goddess
15. One side of a store sign
16. Faculty title (Abbr.)
17. Holography tool
18. Kind of oil or branch
19. Some carnivores
20. Shouts on a deck
21. Sea ray
22. Vexed
23. Inventor Nikola
24. It can hold its water
25. Start of several Indian place names
26. Urge with sweet talk
27. Was privy to
28. Like a done deal
29. Put on the back burner
30. Gap plugs, etc.
31. Small, crude dwellings
32. Rants go-with
33. Tiny Tim's prop, briefly
34. Start of millions of addresses
35. Washstand pitcher
36. Vehicle at an auction, perhaps
37. Some military addresses
38. "Tootsie" actress
39. Draft-eligible
40. June 6th of 1944
41. Harper Valley grp.

Chapter 4: Puzzles
115

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 |  | 9 | 10 | 11 | 12 | 13 |
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| 67 |  |  |  |  |  | 68 |  |  |  |  | 69 |  |  |  |

Puzzle 130

## 116 Part II: Getting a Complete Puzzle Workout

## Across

1. Beanery sign
2. Pin or cup, e.g.
3. Persuade
4. Restaurant choice
5. Like organza or chiffon, e.g.
6. Architect Saarinen
7. Country established in 1948
8. Despot of old
9. Word of agreement
10. Bootlicking
11. Courage
12. "Tom Thumb"
composer
13. Seven-time AL batting champ
14. Maturation process (Var.)
15. Secondhand products
16. Sun block
17. " 61 in ' 61 " slugger Roger
18. Kind of tide or cord
19. Vacuum feature
20. Malaccas
21. CCLI x VI
22. Low or high tail
23. Cookout implements
24. "Yankee Doodle Dandy" songwriter
25. Prehistoric time
26. Criminals
27. Misguided act
28. Whiskey ingredient
29. Imago of a grub
30. St. Peter's station
31. Rookery sound
32. Put aboard
33. Where a diet originated
34. Manual reader
35. Social system
36. Andy Taylor's TV son
37. Nights, poetically
38. Heavens
39. Bump on a log

## Down

1. Europe's highest volcano
2. Naval hail
3. Waste allowance
4. Command to a guest
5. Kind of price
6. Unbroken
7. Hawk's home (Var.)
8. Riddle-me- $\qquad$
9. Cast (with "personae")
10. Seat for two or more
11. Wagonmaster's cry
12. Central Asian sea
13. Time long past
14. Tuneful Lena
15. Writes "hiar" for "hair," e.g.
16. Second hand?
17. Largest asteroid
18. They were once hot stuff
19. Author's author
20. James Dean film
21. Vocal limits
22. Backless sofa
23. Kissing game turns
24. Squalid
25. Grow together
26. Shed hair
27. Break the news
28. Show-biz biggie
29. Observant people, say
30. Word with Time or figure
31. Photo finish
32. "Rhapsody in $\qquad$ "
33. " $\qquad$ on down the road"
34. Show love excessively
35. Mob boss
36. Etcher's purchase
37. Sound of a child on a swing
38. Feedbox grain
39. Longish time span

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 | 9 |  | 10 | 11 | 12 | 13 |
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Puzzle 131

## Across

1. Stimulates
2. One way to hide a present
3. Church section, perhaps
4. Honor a loan
5. Rodentlike mammal
6. Give two thumbs up
7. Conversation opener
8. Recipe qtys.
9. Rational
10. Insignificant speck
11. Plaint for Billie Joe
12. Bart's grandpa
13. 19th in a Greek series
14. Monopoly quartet (Abbr.)
15. Much-loathed emperor
16. Obtains with effort
17. Friend abroad
18. Pie-mode connector
19. Table protector
20. Cottonmouth
21. Type of vinegar
22. Seventh Greek letter
23. Add'l phone line
24. State or city in India
25. Instinctive motive
26. Transcript stat.
27. Tokyo, once
28. Whipped cream unit
29. It merged with Time Warner
30. Part of U.S.A.
31. First name in boxing
32. Second word in a fairy tale
33. Cafeteria feature, perhaps
34. Repair
35. Actor Penn
36. Immigration Museum island
37. They may be liberal
38. Bubkes
39. Frozen raindrops

## Down

1. Where "Don Quixote" was conceived
2. Become more distant
3. Show's first number
4. Applies with a cotton swab, e.g.
5. Part of the Fertile Crescent
6. Pequod, for one
7. Not leave leaves
8. Something I can't use, but you can
9 . Word with diem or capita
9. Vocal range
10. Deli order
11. Seinfeld's comic book hero
12. Actors Asner and Harris
13. Wane
14. Capital on the Gulf of Oman
15. Soft end of the Mohs scale
25 . With celerity
16. Command to a pet
17. Mare fare
18. Miocene, for one
19. Beginning of a cassette tape
20. Partner of dangerous
21. Levi's uncle
22. Aluminum foil alternative
23. Rock concert site chronicled in "Gimme Shelter"
24. "Venus de $\qquad$ "
25. Ask, in an undignified way
26. Lizard in a Tennessee Williams title
27. Walk or talk aimlessly
28. Certain hockey player
29. Firstborn
30. Electrical resistance unit
31. Famous film motel
32. These might be split
33. "Coming of Age in Samoa" author
34. Anchor store locale
35. Thurman of "Batman \& Robin"
36. Taxpayer's ID
37. Mad Hatter's drink

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Puzzle 132

## Across

1. Noted Washington
2. It's east of the Urals
3. Trident-shaped letters
4. It may be present in undercooked meat
5. Like some memories
6. "Alas!"
7. Burton who played Kunta Kinte
8. It may have fallen on a foot
9. Matter to go to court over
10. Idiom for a multitude of ongoing projects
11. Type of part
12. Flat payment?
13. Idiom for the noblest members of society
14. It has its own Web site
15. Indicator of age
16. Were in the present
17. Bar Mitzvah dance
18. Fix
19. 1957 Nabokov title
20. Tolkien flesh-eater
21. Fizzles out
22. Forms metal, in a way
23. Idiom for no longer able to function
24. Prexy's associate
25. Publisher who transformed Vogue
26. Idiom for an impracticable dream
27. A famous Fitzgerald
28. Problem of pubescence
29. Pontificate
30. One of 10 leapers in a song
31. Mrs. Dithers
32. Remove the groceries, e.g.
33. Eyelid flare-up
34. Blyton the writer
35. Former Russian sovereigns

## Down

1. Where cuts might be treated with salt
2. One finishing off the cake
3. De ___ (from the
beginning)
4. Five-time Emmy
award-winning actor
5. Shaggy like the stereotypical caveman
6. Avidly supporting
7. Start doing laundry
8. Part of a foot
9. Sticks (to)
10. Green stuff on copper
11. Type of missile
12. Hungarian political figure Nagy
13. "Game, $\qquad$ , match"
14. "Take __ leave it!"
15. Features of some fancy bathtubs
16. Fern's beginning
17. U.S. Army's helicopter assault division
18. Tear down verbally
19. Participate without the lyrics
20. Judge, e.g.
21. Their teeth are rare
22. Sporting footwear
23. Whirlpool feature
24. Seamstresses' guides
25. Intentionally lay off the fats and sweets
26. Ensconced
27. Flatten a fly
28. Road erosion after a rain, e.g.
29. Infamous marquis
30. Three trios
31. Coagulate
32. Supply-and-demand subj.
33. Cross inscription
34. Rhyme scheme
35. $\qquad$ -TASS
36. Size category for shirts, briefly
37. Overhead trains

Chapter 4: Puzzles 121

| 1 | 2 | 3 | 4 | 5 |  | 6 | 7 | 8 | 9 |  | 10 | 11 | 12 | 13 |
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Puzzle 133

## Across

1. " to leap tall buildings
2. Some playing cards
3. Base and boot, e.g.
4. Sword fight, e.g.
5. Issued a command
6. It's larger than Lincoln
7. Like some tests
8. Canal completed in 1825
9. Singer Newman
10. Sailor's delight?
11. "... we fear __ evil" (Burns)
12. Turncoat
13. Windshield accessories
14. Beachgoer's goal, perhaps
15. Good thing to jump for
16. Chinese chairman
17. Minor interruption
18. Blokes
19. Unwanted possession
20. Word with tacks or knuckles
21. Defense mechanism
22. Ache
23. Get-up-and-go
24. Executor's concern
25. Ingratiate
26. Step into character, e.g.
27. Brine-cured delicacy
28. Arguer's state?
29. Ermine in the summer
30. Statistics, facts and such
31. 1984 Olympics no show
32. It's created in a snap
33. Arabian ruler
34. Comic vignette
35. Joins the team?
36. It's usually smaller than a denomination
37. $\qquad$ pareil

## Down

1. Embellishes
2. Article of furniture
3. Oppressively sluggish
4. Some extensions
5. State of limbo
6. Lapidary's measure
7. Fix errata, e.g.
8. Detected
9. Cardigan or Pembroke
10. Nurses in the Orient
11. One type of talk
12. Master's follower
13. Articulate
14. Some snakes of southeastern Asia
15. It could be poison
16. Mesmerized
17. ABBA hit
18. What you may now hear?
19. Minty drink
20. Hiding nothing
21. Surrender
22. Pure-minded
23. Come to a standstill
24. Brown bird
25. Manual
26. Meeting overhead, perhaps
27. When doubled, a remark to Birdie
28. Start for school
29. Kodiak locale
30. Warning bell
31. Puts forth effort
32. Lift up emotionally
33. Latter-day chariots
34. Web site, perhaps
35. Roman calendar notation
36. Anthroponym
37. Tizzy
38. Operative
39. Even if, informally

Chapter 4: Puzzles 123

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 |  | 9 | 10 | 11 | 12 | 13 |
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Puzzle 134

## 124 Part II: Getting a Complete Puzzle Workout

## Across

1. Narrative of heroic exploits
2. Shout of encouragement from the bleachers
3. Way around London, perhaps
4. "I've Got $\qquad$ in
Kalamazoo"
5. In what way?
6. Costa $\qquad$
7. Does the expected amount of work
8. Mariner
9. Music fan's purchase, perhaps
10. Homages that may be urned?
11. Writer Morrison
12. Irritates
13. Airline ticket word, sometimes
14. All $\qquad$ (attentive)
15. Loan shark's offense
16. Ray of the tropics
17. Writer Scott-Heron
18. Turns a whisper into a shout
19. Word heard at the Westminster Kennel Club 40. Apportioned (with "out")
20. Remained still while running
21. First family's residence
22. They can get burned in PCs
23. Cake tiers
24. They were once completely nuts
25. Kids connect them
26. Wind-tunnel sound
27. Puts an end to
28. Waits in anticipation, in a way
29. Initial victim
30. Some British change
31. Forearm bone
32. It's sometimes struck
33. Got up
34. Sound of an angry exit

Down

1. Gullible ones
2. Chills and fever
3. Festive affair
4. Position for playing horsey
5. Daily duties
6. Cutting edge creators
7. Pouring vessel
8. Man of Steel monogram
9. Dinghies
10. Ed Norton's wife
11. Arranges the outcome
12. Feel sore
13. "The Simpsons" creator

Groening
18. Visibly woeful
19. One billion years, in geology
23. With prongs
24. Prize money
25. "Why? Because $\qquad$ so!"
26. Considerably
27. Turbine features
29. Spry
30. Chef's gadget
31. Vehicles with runners
33. Shapes and forms
34. Fly guy
37. Teen dances
38. Penelope's husband
43. Lo mein ingredient
45. Tossed, as a grenade
47. Sure-footed work animal
48. John Travolta danced to it
49. Sound of a hard smack
50. Bindlestiff, e.g.
51. Spanish cheers
52. Lotto cousin
53. Corridor
54. Italian volcano
55. Put-on
57. Circus performer's insurance?

Chapter 4: Puzzles 125

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 | 9 |  | 10 | 11 | 12 | 13 |
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Puzzle 135

## Across

1. Supergirl's City
2. Balloon
3. Places for pickles
4. Prefix meaning "skin"
5. Shoptalk
6. Words signifying trouble ahead
7. Quickly, quickly
8. Remove a tube top?
9. Joan Sutherland or Judi Dench, e.g.
10. Nobel Peace Prize winner of 1979
11. Have great faith in
12. Grinned from ear to ear
13. Word with Gatos or Altos
14. Really big singer?
15. " $\qquad$ Sexy" (Right Said
Fred tune)
16. Asian peninsula
17. "Well, __-di-dah"
18. Sounds of pleasure
19. Al Capp's Pansy Yokum
20. Old-time wraparound
21. X-ray supplement
22. Fertile soils
23. Extend a subscription
24. House owner in a Martin Lawrence comedy
25. Lacking brightness
26. Term of respect in colonial India
27. Apollo's twin sister
28. Term of endearment
29. RE:
30. Cheese type
31. Run, but go nowhere

60 . Fourth rock from the sun
61. It's for good measure
62. League constituent
63. Capital of Samoa
64. Like a flophouse

65 . Sweet potato cousins

## Down

1. Sixth U.S. president
2. Plant new crops
3. Frame of bars
4. Belly button
5. Some dust jacket paragraphs
6. Like a dryer's trap, typically
7. Start of many Grimm tales
8. Gelling agent
9. Lift one's spirits?
10. Like the laws of kosher food
11. "Now I get it!"
12. CD follower
13. That boat
14. Ending for switch or buck
15. Overwhelm with humor
16. Bird of prey's weapon
17. Application
18. "Balderdash!"
19. " $\qquad$ Mia!"
20. Poor contributions?
21. What 5 can represent
22. Frost's feet?
23. Natalie Wood portrayal
24. Chicken portion
25. Title of respect
26. Maternal palindrome
27. Fearlessness
28. The gray wolf
29. "Educating ___" (Caine film)
30. Brunch beverage, perhaps
31. "Once upon a midnight
$\qquad$ ..."
32. Threw in
33. Euripedes tragedy
34. Sunni religion
35. Poppy supporters
36. Leaders in baseball, briefly
37. Pouty look
38. Season to be jolly
39. GPs' grp.
40. Vermont harvest
41. Prefix for pod

Chapter 4: Puzzles 127

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| 32 | 33 | 34 |  |  |  | 35 |  |  |  |  |  | 36 |  |  |
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## Puzzle 136

## Across

1. Home run hitter's gait
2. It's full of roots
3. Film terrier
4. Mister, abroad
5. Verboten
6. Impediment to smooth sailing
7. "Nay!" sayer
8. Town in Maine
9. Deal with it
10. Tree in need of comfort?
11. Silly Putty container
12. Opposite of paleo
13. "This is only "
14. Distributed the cards
15. Alluring skirt feature
16. Syndicate head
17. Formal speech
18. Reject one's betrothed
19. Celebratory lifting device?
20. Growth period
21. Sharply reduced, as a price
22. Mannequin part
23. Kind of loaf
24. Knock over a joint
25. Fred's sister and dance partner
26. Shoe designation for spindly feet
27. Baden-Baden or Aix-les-bains, e.g.
28. Stream of run-on sentences?
29. Roentgen discovery
30. Luckless fellow
31. Certain woodwind
32. Facilitate
33. State one's case

65 . Indonesian island
66. Some have white tails
67. Davis of "Death on the Nile"
68. Prefix for while

## Down

1. Prepared for cooking, in a way
2. Not do as promised
3. Former president of Nicaragua
4. Stumble
5. Biblical weapon
6. Loadmaster's concern
7. Take__ (acknowledge applause)
8. Burt's ex
9. Merge resources
10. Fancy tie
11. Stranded, in a way
12. Water outlet
13. Topic of many a lie
14. Emcee's job
15. Back muscle, to a bodybuilder
16. Cobbler's concern
17. Smithereens maker
18. Impend
19. Egyptian peninsula
20. Fireplace fodder
21. Type of worm
22. Chevet
23. Cash drawer
24. An overworked horse
25. Solemn promise
26. Runner's goal in baseball
27. Addict's program
28. Bleating sound
29. Rookie socialite
30. Line on the weather report
31. Thread holders
32. Start of an Eagles hit title
50 . Wedding cake feature
33. Concerning
34. Correspond, grammatically
35. Film monster of 1958 and 1988
36. Slow running pace
37. Start of a guess
38. Garb for the bench
39. Crossed out
40. "Norma __" (Sally Field film)


## Puzzle 137

## Across

1. Driver's decision point
2. What some film scripts are written on
3. Hawkins of Dogpatch
4. Chemical element
5. Folklore component
6. Even a bit
7. Building projection
8. $\qquad$ impasse
9. Devotional ceremonies
10. Hopscotch, for one
11. Engaged in a diatribe
12. The Moor of Venice
13. Pulver's rank (Abbr.)
14. It's yet to come
15. Small charge carrier
16. Rope maker's fiber
17. Strategy board game
18. Director's order
19. Stereotypical fussbudgets
20. Great thing to be on
21. Part of science class
22. One may follow a lead
23. J.F.K. abbr.
24. Show the ropes
25. You need a cracker to eat it
26. Bad luck, to some
27. Kind of furniture

57 . Word with act or gear
58. Common transport
59. Bouquet
60. It's right on a Spanish map
61. Land of the leprechauns
62. Where Alice worked
63. Animal that may be "XING"
64. Camera attachment

## Down

1. French carriage
2. Foundling
3. Some pine extracts
4. Got on one's knees
5. Carmichael classic
6. Canape topper, perhaps
7. Panache
8. Blacklist
9. Wife of Abraham
10. "Once upon $\qquad$ $"$
11. Pacific divider
12. Mob follower?
13. South African golfer
14. Flies in the face of
15. Former communications corp.
16. Trent or Ronnie
17. Ending of most odds
18. Eastern way
19. Half of the forearm bones
20. Command to a guest
21. Word before "One Two Three" in a film title 34. Subj. for immigrants, perhaps
22. College courtyard
23. Open, in a way
24. Capote, on Broadway
25. Bad thing to be in
26. Draft pick?
27. Sault $\qquad$ Marie
28. Stared salaciously
29. Plenary
30. Do a nighttime parental chore
31. Plato's hometown
32. Clock feature
33. Like a loud waterfall
34. Identify
35. Seine tributary
36. Short entry
37. Knee guard
38. Shipping nickname

Chapter 4: Puzzles 131

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |  | 9 | 10 | 11 | 12 | 13 |  |
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Puzzle 138

Across

1. Shoe type
2. State since 1948
3. Aletsch Glacier locale
4. "The greatest!"
5. Unlikely to fall over
6. Secular
7. Bar supply, perhaps
8. Lunar lander, e.g.
9. Not for here
10. Lentil, e.g.
11. Words with everywhere
12. Castle features, perhaps
13. Comedic Bean
14. Semilunar valve neighbor
15. Greek letter
16. Recent USNA grad
17. Words sung by the

Beatles with me
37. It comes to a head
38. Zorba portrayer
39. Maligned hopper
43. Words with toil and trouble
46. Cavity-filler's grp.
49. Insult, slangily
50. "Golden Boy" playwright
51. Slow, in music
53. Like some eyebrows

56 . Words with pumpkin eater
59. A shiny fabric
62. Writer Kingsley
63. Pleasant smells
65. Long fish
66. Dollar value
67. Something to bash at a bash, perhaps
68. Scottish negative
69. Start for date?
70. Made a bird noise
71. Everyday article

## Down

1. They may be applied in baseball
2. "I cannot tell ___"
3. Needle dropper
4. Ideal suffix
5. "Uncle Tom's Cabin" author
6. Kind of gun
7. Borders on
8. Femme's pronoun
9. Lecherous look
10. Sacrificial spot, perhaps
11. Taoism founder
12. Dove's city cousin
13. Views with contempt
14. Senile one
15. Romances
16. "It $\qquad$ a Very Good Year"
17. Police radio alert, briefly
18. Bullring "bravo!"
19. Russo of "In the Line of Fire"
20. Kind of puppet
21. Prefix for lateral or distant
22. Places for pints
23. "__ Darlin"" (jazz standard)
24. Piano student's assignments
25. Dutifully compliant
26. Keyboard key
27. $\qquad$ Moines, Iowa
28. Polecat's trademark
29. Sound of amazement
30. Wool producer
31. Evil spirit (Var.)
32. Manet or Monet, e.g.
33. "Beau $\qquad$ "
34. Square things
35. Amend, as an atlas section
36. Shipping box
37. Theatrical producer Joseph
38. Lake, city or canal
39. One of Jacob's wives
40. Swiss painter Paul
41. Melancholy

Chapter 4: Puzzles 133

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |  | 10 | 11 | 12 | 13 |  |
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Puzzle 139

## 134 Part II: Getting a Complete Puzzle Workout

## Across

1. Egyptian cobras
2. Fashionable
3. San Antonio tourist stop
4. Lacey on "Cagney \& Lacey"
5. Word with mark or slinger
6. Character assassination
7. $\qquad$ Bator (capital of Mongolia)
8. Spicy Spanish stew
9. Unsavory character
10. I vow to ...
11. Jerry's cartoon foe
12. Discovery at Sutter's Mill
13. Slip up
14. Computer of film
15. Wolf's warning
16. Vampire slayer
17. Of a previous time
18. Sundial numeral
19. Barbarian
20. Emulating a sleepyhead
21. I vow to ...
22. What a siren does
23. It's for the course?
24. Keen longing
25. Canton of William Tell
26. Wearing less
27. Type of fire
28. Clansman's topper
29. Mountain climber's challenge
30. Mentally quick
31. What wasting food is, according to moms
32. I vow to ...
33. It's full of holes
34. Bear of a constellation
35. Part of a futhark
36. Facilitator
37. Fish feature
38. Italian volcano
39. A password provides it
40. "... not always what they $\qquad$ "
41. Beyond recharging

## Down

1. Grown people
2. Miss Kitty's place of employment
3. Type of TV
4. Year's last word
5. Mormon Tabernacle, for one
6. Bisects
7. Man in the Irish Sea?
8. French toppers
9. Appeal
10. Zodiac animal
11. One of the United Arab Emirates
12. Communiques
13. Toreador's acclaim
14. Sheet of print
15. Island group off

Scotland
27. Mother of mine?
29. Become prominent
31. Consoling word
34. Pierce with a point
36. Adolescent's bane
37. Flood, as a market
38. Pertaining to both sides of the Urals
39. Most toned
40. Parental purchase for a rock concert?
41. Right-hand page
46. Torte vendor
47. Grapple, to Li'l Abner
49. Very perceptive
50. Reddish-brown pigment, when burnt
51. Group of nine
55. One of a biblical 150
58. End of a walkie-talkie transmission
59. Great Lakes name
60. Ginger's partner
61. "Didn't I tell you?"

Chapter 4: Puzzles 135

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 |  | 9 | 10 | 11 | 12 | 13 |
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Puzzle 140

Across

1. Org. kin
2. Road scholar's book?
3. Methane's lack
4. Start of a Langston Hughes title
5. Where Kent went for a change?
6. Temp's pad
7. "Heaven Can Wait" actress Cannon
8. Impaneled one
9. Commiserator's word
10. Two times?
11. Miniver, for one
12. Princess's annoyance, in fable
13. Lassie, for one
14. Roman goddess
15. Type of tray
16. Situated between poles
17. Quaintly attractive
18. Percussion instrument
19. Three times?
20. You're tense on this
21. Wealthy
22. Language for the masses?
23. Part of WYSIWYG
24. First word in a Melville title
25. Map's table
26. Kind of pill or rally
27. Water temperature gauge, sometimes
28. Four times?
29. Sinister
30. Rustic abode
31. The life of Riley
32. Monthly expense, for many
33. When penitents convene?
34. National League stadium
35. Mine finds
36. One who avoids others
37. Bulgarian's neighbor

## Down

1. Adjutant
2. Mythological river
3. Cleansing bar
4. "__ Nanette"
5. Renounce formally
6. Guided trips
7. Traditional knowledge
8. It's a little matter
9. Shell fragments
10. Cornhusker State hub
11. Sandwich shop
12. Muscat locale
13. Table wine
14. Dimple maker
15. Company exec.
16. Wear for Batman and Robin
17. Word with zinc or nitrous
18. Feudal superior
19. "Arsenic and Old $\qquad$ "
20. Titillating
21. Mormon base
22. More than peeved
23. Aromatic seed
24. Correct text
25. Where baby sleeps

36 . Word with race or queen
38. Caribbean climate
39. Baseball card manufacturer
44. Singer Torme
45. Car given as a temporary replacement
46. Trapper's collection
47. Lightweight cord
48. Cold reading
49. Word with throw or turn
50. Midmorning
51. Int'l org. formed in 1949
52. Deep black
53. Nuisance
54. Hawaiian island
55. Consumer
56. Shipbuilding wood

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## Puzzle 141

## Across

1. Pilgrimage site
2. Whale of a movie
3. Sibilant sound
4. Part of an ice cream cone
5. Gaseous element
6. Against
7. Upscale abode
8. Type of wood
9. Gin flavoring
10. Idle gossip, e.g.
11. Poetic form
12. Vessel edge
13. Virtuoso
14. Barrel cleaner
15. Bring to ruin
16. "The Conspiracy

Against Childhood" author Le Shan
33. What this is
34. Proboscises
36. Technologically advanced
41. Computer neophyte
42. Catches in the act
44. Muppet name
47. Nudnik
48. Unjust accusation
50. Lower in public estimation
52. Part of some college courses
53. Victorian, for one
54. One with good judgment
59. Jam ingredient
60. Vulgarian
61. Heavy and then some
64. Mini-nuisance
65. Protracted
66. Violin bow application
67. Abridge, e.g.
68. Low female singing voice
69. Gets the better of

## Down

1. Advanced sci. degree
2. Author Umberto
3. Court violation
4. Musical wrap-up
5. One of Rocky's rivals
6. Winner's position
7. Shipwreck cause, sometimes
8. Word with rain or sport
9. Looped cross
10. " $\qquad$ la vista"
11. Under Cupid's spell
12. Put away
13. An earth color
14. Young goat
15. Act passionately
16. Fun food for Fido
17. Diurnal periods
18. Speckled reddishbrown
19. Not worthy
20. It can be flat
21. Self-deprecating utterance
22. Boo-hoos
23. Even wood
24. Home on the range?
25. Sheepcote matriarch
26. Scarcity
27. Ski resort fixture
28. Health farm
29. Uncivilized
30. Be plentiful
31. Rum concoction
32. Sheepish response
33. Incorporate
34. "Rob Roy" author
35. Relinquish one's hold
36. Large earthenware jar
37. April honoree
38. Litter's smallest
39. High-pitched instrument
40. Host's invitation
41. Printers' widths

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Puzzle 142

## 140

 Part II: Getting a Complete Puzzle WorkoutAcross

1. Roman calendar notation
2. Some exams
3. Cuddly bear
4. Shout heard on a city street
5. Bushy coif
6. Belching flames, e.g.
7. Hemingway's posthumous "The Garden of $\qquad$ "
8. Cassoulet or haricot, e.g.
9. Phrase homonym
10. Bobby Darin classic
11. Move a gig
12. Send back to a lower court
13. Cutting-edge
14. Run without rushing
15. Born
16. Prefix meaning sun
17. Nicholson film
18. Black in verse
19. Degree requirement, sometimes
20. Partiality
21. Annual event since 1967
22. Spectrum
23. General-turned politician
24. Fumbler's word
25. "Ship of Fools" author
26. Noted TV street
27. Predicament
28. Clotheshorse
29. Perform like Alfalfa
30. "Puppy Love" singer
31. Not suitable for farming, in a way
32. Chaos
33. Goblet feature
34. Demeanor
35. Relative on mother's side
36. "Que $\qquad$ es?" (Spanish 101 question)
67 . Pound the poet

## Down

1. Docket entry
2. Anti-art art movement
3. Corporate VIP
4. Swim alternative
5. Strut showily
6. Before partner
7. Arduous voyage
8. Like scattered seed
9. Party dress material
10. Violinist Zimbalist
11. Day in Granada
12. Type of dock
13. Permissive reply
14. Hurly-burly
15. They may be in the fire

25 . Consecrate with oil
26. Type of music
27. Slower mentally
28. Degree requirement, sometimes
29. Express disapproval
30. Eschews nuptial formalities
31. Mudville number
32. Responds to heat, in a way
33. Lunar valley
36. Type of circle
37. It'll give you a lift
39. Orchestra tuners
42. Type of novel
43. Cakewalk
46. Summer hat
48. In progress
49. It can be wild
51. Chop into small pieces
52. Very much a fan of
53. Certain brocaded fabric
54. London Bridge loc.
55. Ticket info, perhaps
56. Poet St. Vincent Millay
57. Ernesto Guevara de la Serna
58. Was published
59. Macrogametes

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## Puzzle 143

## 142 Part II: Getting a Complete Puzzle Workout

## Tricky

## Across

1. Jeanne d'Arc's title (Abbr.)
2. Lightweight hat
3. Bausch's partner
4. $\qquad$ in Charles
5. Excessively ornamented
6. Revered one
7. Flop opposite
8. No real consolation
9. Nails down just right
10. Type of guide
11. Chancel
12. Biblical dead place
13. A wife of Charlie Chaplin
14. Holiday helper
15. Bad luck
16. Move emotionally
17. Samples
18. Pluck eyebrow hairs, e.g.
19. Proof of ownership
20. Engaged in repartee
21. Cuban ballerina Alicia
22. Harbor of Hawaii
23. Clothing store department
24. West Coast football pro
25. Desktop devices
26. Type of American
27. Make a sound in the night?
28. "Who Framed Roger Rabbit" character
29. "Wasn't me!"
30. Feta source
31. Assume responsibility in another's absence
32. "Spring ahead" letters
33. Words in a popular palindrome
34. Mount Hood locale
35. Count Tolstoy
36. To be, in old Rome
37. Tough boss to work for
38. Directional suffix

## Down

1. A division into factions
2. Chinese exercises
3. Lauder and Chandler
4. Gomer Pyle's rank
5. Oodles
6. $\qquad$ contendere
7. Burdensome
8. One millionth of a meter
9. Ruckus
10. Jacket opener?
11. Dashboard display
12. Emulate Aesop
13. Eatery order, perhaps
14. Postgrad deg.
15. Lessens in force
16. Large-eyed primate
17. Take-home amount
18. Mister Rogers
19. Swindle
20. Vietnamese New Year
21. "The Twilight Zone" creator
22. Admonishes
23. Use it to change levels
24. Qualified voters
25. Allays sorrow
26. Part of a musical gig
27. Mistake-catcher
28. Mean as a snake
29. Ribbon of pasta
30. It clears the boards
31. Gymnast Mary Lou
32. Picnic intruder
33. "Garfield" dog
34. Roman raiment
35. Curling tool
36. Half a bray
37. Stolen
38. Blaster's need

## Chapter 4: Logic Puzzles <br> 143



## Puzzle 144

## 144 Part II: Getting a Complete Puzzle Workout

## Across

1. Places for coats
2. Songdom's pistol packer
3. "Achilles and the Tortoise" subject Mark
4. Algerian port
5. Poetic pronoun
6. Carrot-top creator
7. Doris Day comedy
8. "Bye," somewhere
9. Posted
10. Great lack
11. Green sage of film
12. Short trip
13. Subj. for immigrants, perhaps
14. Apply with a swab
15. North American capital
16. Word in a Christmas carol title
17. Ship's frame
18. One way to be in love
19. Chicken style
20. Petty officer
21. Assert without proof
22. Don'ts partner
23. Sculptor's leaf, perhaps
24. Rocky's greetings
25. Easy-to-grow houseplant
26. Tristram Shandy creator
27. Pulled vehicle
28. Argentine first lady
29. Richard Dreyfuss comedy
30. Walking $\qquad$ (elated)
31. Abound
32. German's neighbor
33. "The Divine Miss M"
34. Bit of progress
35. Got a load of

## Down

1. Scented hair ointment
2. Wears down
3. Crocodile kin
4. Unwelcome look
5. Music channel
6. Polite interrupter
7. Snakelike tropical swimmer
8. Sound on the air
9. Thug's message
10. Merge metals
11. "Wheel of Fortune" buy, perhaps
12. Keeper's charge
13. Faultfinder
14. Surpassed
15. Tough-guy actor Ray
16. Angelic ring
17. Transport, as freight
18. They fly by night
19. Sidekick
20. Group of people, animals or things
21. And so
22. Use a piggy bank
23. Maiden name intro
24. Walked heavily
25. Hawaiian city
26. Snakelike fishes
27. Some medical grps.
28. Day for bonnets
29. Bandleader Kyser
30. In abundance
31. Ht.
32. Sergeant with badge 714
33. Chant
34. Made to mesh
35. "Golden Boy" playwright
36. White-plumed bird, often
37. Sidestep
38. State of irritation
39. Fencing blade
40. Type of scene
41. Bottom of some scales
42. Meal starter?
43. It helps pump up the volume

Chapter 4: Logic Puzzles


## Puzzle 145

## 146 Part II: Getting a Complete Puzzle Workout

## Across

1. Chronological brinks
2. "Home Alone" kid
3. Chesapeake Bay catch, often
4. Feeling for the unfortunate
5. Don't exist
6. Tramp
7. Three-time US Open champ Lendl
8. High-count fabric
9. Enormous
10. Agglomerate
11. Versifier
12. Asian phrase of insight
13. Melted-cheese dish
14. Graduates, briefly
15. Prefix meaning "sun"
16. Shakespeare title starter
17. Orchestra's place, sometimes
18. Epochs
19. Came at from all sides
20. Hepcat talk
21. Fire preceder?
22. Starstruck trio?
23. More steamed
24. Hyson, e.g.
25. Part of the woodwind family
26. Tout's concerns
27. Element found in none
28. Utter boredom
29. One way to ride a horse
30. 3M innovation
31. Caspian feeder
32. 1855 Tennyson work
33. Entertainer Cheech
34. Currency in Pisa
35. Cube maker Rubik
36. Brief indulgence
37. After the bell

## Down

1. Of majestic proportions
2. In $\qquad$ naturally)
3. Substitute for the unnamed
4. Summary
5. Old German emperor
6. Literary errors
7. Sign of secrecy
8. Ones with the power
9. Ultimate, degreewise
10. Material for khakis
11. Part of The San Francisco Treat
12. Act as an accessory
13. Sacrum or parietal
14. Commits a deadly sin
15. London area
16. Qualified
17. Weapon handle
18. Bearded growth
19. Mysteriously spooky
20. Andes creature
21. Cooking herb
22. Richard's first veep
23. Missouri, Arkansas or Connecticut, e.g.
24. Uncompromising
25. Chicago or Boston, e.g.
26. They run only when broken
27. Typical English person
28. Combat doc
29. Nursery rhyme domicile
30. Where to find baked blackbirds
31. Unflustered
32. Surpass
33. Salinger dedicatee
34. State south of Va.
35. Subject, usually
36. Roseanne's maiden name
37. Callas solo
38. Dessert display place
39. Swiss painter, 1879-1940
40. Pinafore lead-in
41. Spigot

Chapter 4: Logic Puzzles


## Puzzle 146

## Across

1. Everyone has one
2. Valuable violin, for short
3. Parasitic pests
4. Basra locale
5. Place to see pro hoops
6. $\qquad$ about
(approximately)
7. Bank sign (Part 1)
8. Computer letters
9. Before surgery
10. Button on a camcorder
11. Improvises chords, e.g.
12. Words with "care" or "mind"
13. Bank sign (Part 2)
14. Venerates
15. Camera angle, for short
16. Cry of shock
17. Easter prefix
18. Road atlas abbr., perhaps
19. Contractor's figure
20. Wonderment
21. Memorable writer Bombeck
22. Infamous Amin
23. Portuguese capital
24. Bank sign (Part 3)
25. Studies into the wee hours
26. Louisiana stream
27. Cash chaser?
28. The last thing a gambler loses?
29. Acts the worrywart
30. Bank sign (Part 4)
31. "We try harder" company
32. Villain's visage
33. Diary capacity, typically
34. Feel dizzy
35. "__ Gabler" (Ibsen play)
36. Sounds of hesitation

## Down

1. Distance in a Stephen King title
2. Beehive State city
3. First name in spydom
4. Mineo of moviedom
5. Excessively, in music
6. Gets on one's high horse?
7. Last Stuart monarch
8. "The Banana Boat Song" word
9. Baseball legend Gehrig
10. Opening remarks
11. "Suzanne" composer Leonard
12. On twos, rather than fours
13. Gear for Robin Hood
14. "Buffy the Vampire $\qquad$ "
15. Andy Taylor's son
16. Occult figure
17. J.F.K.'s predecessor
18. Locks in a stable?
19. Olfactory stimulant
20. Group standard
$\qquad$
21. San Francisco hill
22. In a wicked manner
23. Kotter of classic TV
24. Camp Lejeune truant
25. Prevent from scoring, e.g.
26. Japanese capital, once
27. Become extinct, e.g.
28. You can bank on it
29. Drenched
30. Having rugged physical strength
31. $\qquad$ buco (veal dish)
32. Stroked playfully or lovingly
33. Proud papa's handout, perhaps
34. Christopher of "Noises

Off!"
55. Band leader Shaw
59. Lullaby word
60. "The Last Days of Pompeii" heroine
62. Extra-wide sneaker width
63. Construction piece
64. Orch. section
66. Fashion designer's monogram
67. "Are you a man __ mouse?"

Chapter 4: Logic Puzzles
149


Puzzle 147

## 150

 Part II: Getting a Complete Puzzle Workout
## Across

1. Nascar sponsor
2. Repairman's stock
3. North Dakota city
4. Geological time span
5. Difficult to miss
6. Name on a famous war plane
7. Land in the Thames, e.g
8. "Goodbye"
9. Makes less tense
10. Again from the top
11. Check copy
12. Garner
13. What babies do eventually
14. Crave
15. Do-say connection
16. Colorful Vietnam city?
17. "Goodbye"
18. Beach-house support
19. Muscle car of song
20. Places to go around in circles
21. "Goodbye"
22. In the manner of
23. Bob Hope's WWII gp.
24. Venerated mementos
25. Endanger
26. Polish name ending
27. Enticement
28. The bulk
29. Offensively malodorous
30. "Goodbye"
31. Nancy Drew's beau
32. Makin, for one
33. They're rich in chips
34. Blood-pressure raiser
35. "Winner" in an infamous headline
36. No longer current
37. Positive thinker's word

## Down

1. Hermetic
2. Vacuum tube type
3. Academese, e.g.
4. Attitudinize
5. Retribution seeker
6. Actress Witherspoon
7. Determine judicially
8. Greek covered path
9. Donnybrook
10. Bowled over
11. Word with so or interested
12. Center of the Grand Opry
13. Petroleum residue
14. Deal with a snarl
15. Muffle
16. Results of getting needled?
17. At that point
18. First name in wrestling legends
19. Stork's supper, sometimes
20. Pro $\qquad$ (proportionately)
21. Booted, e.g.
22. Freudian interests
23. Fish-eating sea bird
24. Brandishes
25. Spurious imitation
26. Fish story
27. Dr. Pavlov
28. Hospitality recipient
29. They hit in Baltimore
30. Unexpectedly appropriate
31. Brownie, for one
32. Home of Saab
33. Plentiful
34. Demurely
35. Gentle cycle items
36. Mechanism trigger
37. Spot of land
38. Owned at one time
39. Had a helping
40. Gunshot sound
41. Santa's trailer

Chapter 4: Logic Puzzles 151


## Puzzle 148

## 152 Part II: Getting a Complete Puzzle Workout

Across

1. Musical phrase mark
2. " $\qquad$ got a ticket to ride"
3. Noted fur trader
4. Sound quality
5. Like a sourball
6. Porter's beer
7. Opera about an Ethiopian slave girl
8. Inter $\qquad$ (among others)
9. "King Kong" star
10. "Before the Next

Teardrop Falls" singer
23. Units of length, in physics
24. Apportions
28. Under favorable circumstances
32. Swap words
35. Oddsmaker's last words?
36. Quiz choice, perhaps
37. Biker's mount
38. Not just any
39. Oceanic eagle
40. Untold centuries
42. Property encumbrances
44. $\qquad$ buco (Italian dish)
45. Negotiate
48. Blew a gasket
49. The Entertainer
53. Calf-length slacks
57. Avoid cancellation
60. Not virtual
61. What you can take from me ?
62. Sports center
63. "Young Frankenstein" character
64. 15th-century maritime name
65. Trivial
66. No layabout
67. Faculty boss

## Down

1. Supply with workers
2. Valley of the chateaux

3 . Word with wear or stand
4. Allow in again
5. Diligently pursues or resides
6. Football game segment
7. Weird-sounding lake
8. First name in slapstick comedy
9. Too
10. Like a moonless sky
11. Nursery moppet
12. Caught stealing
13. AAA offerings
21. Confused noise
22. Miami-__ (Florida county)
25. Frightful giants
26. Calendar col. heading
27. Shorthand pro
29. Successfully crashed the gate
30. Was audibly impressed
31. Without a break
32. Masticates
33. Fracas
34. One of Nixon's vices?
41. Biblical reptile
42. Cheryl or Alan
43. Worldly, not spiritual
44. Veteran
46. Elbowroom
47. D.D.E. beat him twice

50 . Rally to even the score again
51. One of a Chekhov trio
52. Poli-sci buff's cable station
54. Sun-baked
55. He "jaws" at night
56. Doctor's interruption
57. Grammy category
58. Prior to, to Prior
59. Place to surf without a board

## Chapter 4: Logic Puzzles



## Puzzle 149

## 154 Part II: Getting a Complete Puzzle Workout

Across

1. List type
2. Where the Gurkha reigned
3. Broken-down horse
4. Oil cartel letters
5. Stand up and speak
6. Verdi's "D'amor sull'ali rosee," e.g.
7. Suckling spot
8. Where some of the talk is bull?
9. Book slips?
10. Mascara's target
11. Some paper rectangles
12. Distress calls
13. Feudal fellow
14. They may have a crush on you
15. Cowboys' ropes
16. Moises or Felipe of baseball
17. World Series workers
18. Unusual objet d'art
19. 1950 Billy Wilder movie
20. Big name in chips
21. Woody Guthrie's son
22. Focus group?
23. Greek marketplaces
24. Some boxing outcomes
25. Uses a tuffet
26. TV legend Red
27. Rose-rose linkup
28. Phrase of denial
29. Home of the descendants of Ishmael
30. Novel set on the Monterey coast
31. Like some records
32. Bart's teacher
33. Silents star Bow
34. "Dedicated to the Love" (Shirelles song)
35. Called, in poker
36. Steel-driving man
37. Part of Doris Day's theme song

## Down

1. Pillar of American Indian society?
2. Handel's "Lotario," e.g.
3. Term of affection
4. Group of eight
5. Characteristic of an impossible situation
6. Unforgettable time
7. Get wearisome
8. Mythical Titan
9. One of two evils
10. Cream container
11. Vicinity
12. "They ___ With Their Boots On" (1941 film)
13. Has vittles
14. Not just again
15. Liquor bill
16. Brazilian dance
17. 20th-century French painter
18. Football, for one
19. Highchair feature
20. Billion suffix
21. Lays down the lawn
22. Polo explored it
23. Respiratory organ
24. Not deceived by
25. Product requirements
26. Makes a pouty face
27. "Seinfeld" friend
28. Avert one's eyes
29. Larry of "F Troop"
30. Sun. message
31. Savoir faire
32. Largest city of Nigeria
33. Steakhouse order
34. Crude transportation?
35. Gymnast Comaneci
36. Completes a cupcake
37. Marquis de $\qquad$
38. Frank with a diary
39. Today's Persia
40. Bert Bobbsey's twin
41. Hockey great Bobby

Chapter 4: Logic Puzzles 155


## Puzzle 150

## 156 Part II: Getting a Complete Puzzle Workout

## Across

1. It comes in cakes or bars
2. Sends junk e-mail to
3. Villa d' $\qquad$ (Italian landmark)
4. Clergy member, somewhere
5. Palindromic belief
6. Ostrich cousin
7. Moving picture?
8. Castle waterway
9. Come forth
10. Intentionally kept concealed, as a motive 23. Family tree word
11. "So what $\qquad$ is new?"
12. Deficiency
13. Vinegar holders
14. Swarms, as with life
15. Cosmo of early TV
16. Easy mark
17. Larry's tormentor
18. Spread out
19. Take into custody
20. Step into character
21. Grumpy companion?
22. "The Last of the Mohicans" author
23. Capital of Morocco
24. Remove a file, in a way
25. Item of finality in the paper, briefly
26. Endeavour acronym
27. Yield to gravity
28. Puts in an unsuitable role
29. Aristotle, to Alexander the Great
30. Walloping wind
31. "Gunsmoke" or "Wagon Train," e.g.
32. Congregational cry
33. Disc jockey's cue
34. Remains after dinner?
35. "Sesame Street" name
36. Certain fisherman
37. Lowest level of high tide

## Down

1. Jammed with the band
2. Heavy to the max
3. Lower in public estimation
4. Tacna's country
5. French holy woman, for short
6. Read with great care
7. Short stockings
8. Swim contest
9. Toss about
10. Fur-bearing animal
11. Movie genre, slangily
12. Dotted-line command
13. Have a repast
14. Expressed derision
15. Word in a supposed Cagney quote
16. Drew in
17. Bookkeeper
18. Marsupial pocket, e.g.
19. Glutton's request
20. Clairvoyant
21. Slope conveyance
22. Bottlenose relative
23. Hardly fine literature
24. Treasure map distances, sometimes
25. Assent gesture
26. Word with skin or chip
27. Certain limb's end
28. Certain time zone
29. Heading on a roll book
30. Recurrent twitch
31. Famous pet
32. Lake on the CaliforniaNevada border
33. Cubic meter
34. Main artery
35. Seize upon
36. Lansbury or Ball role
37. Unit of loudness
38. Well briefed about
39. Shoot the breeze
40. Answer incorrectly, for example

Chapter 4: Logic Puzzles


## Puzzle 151

## 158 Part II: Getting a Complete Puzzle Workout

## Across

1. Pack down firmly
2. Mast attachment
3. Crazy way to run
4. Orchestra pitch setter
5. Up in arms
6. Denmark native
7. Superabundance
8. Insincere promise
9. 6-3, e.g., in tennis
10. Circus structure
11. Macho types
12. Ghostly verb
13. "The Last Emperor" actress Joan
14. Consecrate
15. Cinephiles go to them
16. The Velvet Fog
17. High school dances
18. Big, fat mouth
19. They sometimes get the ax
20. Ruckuses
21. Jacob's son
22. Smart-whip connectors
23. Utilizes a spatula
24. Champion of dance
25. They're on the lookout
26. Absolutely useless
27. Opposite "yippee!"
28. Low grade?
29. Pallid
30. Japanese aborigine
31. Pen tip
32. Pearly-gray fur
33. Relinquish
34. Orange coat
35. Ring-shaped reef
36. "... against $\qquad$ of
troubles"
37. They can be made to meet
38. Skein components
39. Peter the Great, e.g.

## Down

1. Glad rags
2. Having the right stuff
3. Harmonica, e.g.
4. Dog or gerbil, perhaps
5. Word in a Christmas carol title
6. Computer command
7. Absorbed
8. "__ alive!"
9. It's only one until you cross it
10. Pre-Christmas period
11. Hurt severely
12. Some years back
13. Intellectually acute
14. Ostrich relatives
15. Melody
16. Draws a bead on
17. Pork portions
18. Mini features
19. First cervical vertebra
20. Gallows sight
21. Lint catchers, e.g.
22. One who sees firsthand
23. "Bolero" composer
24. Part of a steeple
25. Carries on, as a trade
26. Emulate a butterfly
27. Builder's units
28. It was spent on the Riviera once
29. Spiritual teacher
30. Fashion shifts
31. Epilogue or coda, e.g.
32. Occupies completely
33. Measurement in a Caldwell title
34. Tibia locale
35. Forest forager
36. Medicinal lily from

Africa
52. Mental inspiration
53. Unwilling fairy tale host
55. Crone
56. Suffix meaning
"resident"
57. Grimalkin, for one

Chapter 4: Logic Puzzles


## Puzzle 152

## Across

1. Some artists' studios
2. "The FlimMan" (1967 movie)
3. Some exemptions
4. Alaskan native
5. River, cit,y or state
6. Took an elevator, e.g.
7. Historic Alabama city
8. Setting for three kings, perhaps
9. Paint-mixing boards
10. Note header
11. Not fixed
12. Some post office machines
13. Out like a light
14. Watergate conspirator
15. Loamy soil deposit
16. "_ to the Church on Time"
17. Important letters for Els
18. Cutlass, for one
19. Ore used as a cleansing agent
20. Organ part
21. The Bard's witch
22. Dweebish
23. Settle an account
24. Some synthetic fabrics
25. Four score
26. Tranquilizes
27. Pool-owner's problem
28. Cardinals' cap abbr., in baseball
29. It might be $x$-rayed
30. Result of flying the coop?
31. Adjutants
32. Traditional knowledge
33. Golden rule preposition

56 . Bits of news
57. Look with malicious intent
58. Dispose of, informally
59. Kingdom of Croesus

## Down

1. Cindy Brady feature
2. Prime draft classification
3. With complete status
4. Eternal
5. Pigeon perches, sometimes
6. Played a flute in a march, e.g.
7. Reed and Grant
8. Hole-punching gadget
9. Spike Lee film
10. Charlotte, Emily or Anne
11. Last word of the golden rule
12. Bradley and Sullivan
13. Part of WYSIWYG
14. Mass of humanity
15. Start to fall
16. Thai dish
17. Foolish
18. Spicy French stew
19. Word with "make it"
20. Greetings on some islands
21. Console
22. Range rovers
23. Injures with a horn
24. Mild stimulant from a palm tree
25. Wisdom
26. Smartly dressed
27. Braid relative
28. King's employee
29. Inventor Whitney
30. They create carbon monoxide
31. Former fleet
32. Trucking rig
33. Pisan pronoun
34. Building addition, sometimes
35. A Stooge
36. Opposite of post-
37. Former Roxy Music member

Chapter 4: Logic Puzzles


## Puzzle 153

## Across

1. Stallone role
2. Sanction misdeeds
3. Remove holes
4. One way to set a clock
5. Shady route
6. Skin-cream ingredient, perhaps
7. 1956 crime drama (with "The")
8. Hardly exciting
9. Former British prime minister Wilson
10. Protective shelter
11. Temperamental star
12. Source for a movie, often
13. On the fence
14. Had been
15. Ritchie Valens classic
16. Means to a diagnosis
17. 1959 comedy with Anna

Neagle (with "The")
43. Glance over
44. "The Pink Panther" director Edwards
46. Day-after-Christmas event
50. Social protocols
53. Arkin and Alda
55. Like contented bugs
56. Braying beast
57. Bean or noodle
59. Violist's clef, perhaps
62. 1989 war film
68. Garner
69. Pride sound
70. It connects levels
71. To be, to Brutus
72. Superficially cultured
73. Land on the Sea of Japan

## Down

1. Vied for office
2. "Eureka!"
3. Debussy's "La __"
4. Shakespeare, for one
5. Olfactory property
6. Means of exoneration
7. Embargo
8. Chang's twin
9. It follows Georgia in higher education
10. Monkey Trial attorney
11. Recess or small room
12. Word with derby or coaster
13. Compass part
14. African ravine
15. Actor Holm
16. Pot top
17. Organic compound
18. U.S. poet Millay
19. Niacin, for one
20. Roman greetings
21. It's sometimes bitter
22. Low-lying islands
23. Title for a U.S. atty.
24. Toothpaste container
25. Truman's successor, popularly
26. Isn't off one's rocker?
27. Short elevation
28. Pro __ (in proportion)
29. Barely makes do (with "out")
30. Feminine suffix
31. River formed by the

Congaree and Wateree
47. Oahu greetings
48. Some brews
49. Wankel or diesel
51. Stone pit
52. Homely fruit?
54. Recruit's sentence ender, perhaps
58. Nick Charles' wife
60. To-do list item, perhaps
61. Having knowledge of
63. Neither fish __ fowl
64. Create knotted lace
65. Predatory fish
66. Canard
67. Division of history

Chapter 4: Logic Puzzles


## Puzzle 154

## 164 Part II: Getting a Complete Puzzle Workout

## Across

1. Exasperated
2. Pond life
3. Nile reptiles
4. Preminger suspense classic
5. It needs room to grow
6. Low-level smuggler
7. Candied item
8. It's on tap in Mexico
9. It may be bitter or loose
10. The Gramophone

Company Ltd., later
22. Turns from side to side
24. Cushion site
26. Barbarians
27. Acropolis locale
30. Straighten out, as an iron bar
32. Like some jokes
33. Professional charges
34. Hearty pub offering
37. Why you may give a darn?
38. Send to another doctor
40. Sarah McLachlan hit song
41. Greek letter
42. Certain Pueblo Indian
43. Computer programmer, e.g.
44. West of country
46. Settle a debt
47. Luke's father
48. Lorelei's river
50. Cartel leader
52. Env. extra
53. Period of note
56. Cuzco people
57. White House area
60. Prom attendee
61. Weather-beaten
62. Human herbivore
63. Gets it all wrong
64. J.F.K. sights, once
65. Plant swelling problem

## Down

1. Mass in Arctic waters
2. Rake in
3. Twosome
4. Vase with a footed base

5 . Where many a story starts
6. Chilled meat dish
7. "To Kill a Mockingbird" author
8. " $\qquad$ Louise!"
9. Seat-of-the-pants talker
10. South American river
11. Gold digger's target
12. Name-drops a product
13. Global seven
18. Some grounded birds

23 . Hits the road
24. Formally surrender
25. More thin-skinned
27. Throb
28. Horseback ride
29. Luau entertainer, maybe
31. Formerly known as
35. In $\qquad$ of
36. Tombstone tamer
38. Some tax shelters
39. Prefix with center or cycle
40. Top-of-the-line
42. Start of a Web site address
43. Like some lenses
45. They may be vital
46. "Turandot" role
47. Mel works here
49. Obeys
50. Toy with a tail
51. Yuletide quaffs
53. Chisel feature
54. Do boring work?
55. "Black Beauty" author Sewell
58. Matched parts or part of a match
59. Type of meat

Chapter 4: Logic Puzzles


## Puzzle 155

## 166 Part II: Getting a Complete Puzzle Workout

Across

1. Monk's hood
2. Frat alternative
3. Charlotte Corday's victim
4. "What mindreader?"
5. Small toiletry case
6. River past Grenoble
7. Essence
8. What have you, briefly
9. Jelly brand used for fuel
10. Corrodes
11. Ship of fuels
12. Nautical flag
13. Coach and teacher in one
14. Armor plate that protects the chest (Var.)
15. Any of three English rivers
16. Sure-footed
17. Common pronoun
18. Essence
19. Unit of time
20. Started a poker pot
21. Hourly wage, e.g.
22. Used a firehouse pole
23. Christie detective
24. Golf ball material
25. Maximum minimal amount
26. Rodin sculpture
27. Low points
28. Hearing aid
29. Essence
30. Alternative to pica
31. Leander's love
32. One of seven for Salome
33. Of sedate character
34. Pizzazz
35. Whirlpool

## Down

1. Pet store purchase
2. Not include
3. Madison state
4. Back muscle, to gym regulars
5. More adroit
6. Aquatic mammal
7. German river
8. Appearance
9. War stat
10. Michaelmas daisy
11. Put a new price on
12. Sharp mountain spur
13. Far from prolix
14. Seat of King Olaf V's rule
15. On wheels
16. Agendum
17. Got mileage out of
18. Engage in self-pity
19. Mark replacement
20. Spurred (on)
21. Encircle with a band
22. Naysayer
23. Encouraged
24. Word with bump or jump
25. Proofreader's marking, perhaps
26. Dawn direction
27. Away from the water
28. Colored portion of the eye
29. Human being
30. Drying oven
31. They may get loaded at the baseball game
32. Grown-up
33. Female monster of Greek myth
34. Valuable violin
35. Sign of the Zodiac
36. Former Davis Cup coach
37. Point of honor settler
38. Sulfuric or hydrochloric follower
39. Depend (upon)
40. "The Simpsons" neighbor, Flanders
41. Blvd. relative

Chapter 4: Logic Puzzles


## Puzzle 156

## Across

1. You may be shown it
2. Catch sight of
3. Smoldering coal, e.g.
4. Teenage problem
5. Bang-up
6. Toast type
7. Grisham work
8. Green light
9. Lamb's alias
10. "Rocky III" fighter
11. A Met number
12. Goes ballistic
13. Defenseless victims or Bedard works
14. It may have complex stanza forms
15. First name among divas
16. Seasoning quantity
17. Memorable mission
18. Braying beast
19. Charlie's little sister
20. Trujillo locale
21. Frigid
22. Small quantity
23. McMurtry work
24. "Cabaret" city
25. Glazier's unit
26. Absorbed the cost of
27. Rickey need
28. Eagerly ready (with "up")
29. 1968 Richard Burton film
30. Archimedean machine
31. Bestial bellow
32. Joie de vivre
33. Popular Christmas gifts, up north
34. See at a distance
35. Place for brooding

## Down

1. Holdings of some banks
2. "The Highwayman" singer Phil
3. $\qquad$ , tens, hundreds
4. Kind of performance
5. Type of cracker
6. Tasty paste
7. Some years back
8. Canvasback kin
9. Set out on
10. Sea, across the sea
11. Dirigible
12. Movie critic Roger
13. They might send you down the river
14. Tenor Caruso
15. Dorothy, to Em
16. Blazing
17. Meat package letters
18. Kind of opera
19. Between engagements
20. Lacrimal droplet
21. Many are compact
22. Clear, as a drain
23. Brahms's
"__Rhapsody"
24. Croatian, e.g.
25. Noted park name
26. Ponder
27. Movie divisions
28. Broadway hit
29. The use of figurative language
30. Defunct Texas team
31. Numb
32. Wails lustily
33. Mrs. Mertz
34. "Superman" star
35. Dark part of the moon
36. Psyche parts
37. Breathing rattle
38. Eventful times in history
39. Fender bend
40. Color of some diamonds
41. Child seat?

Chapter 4: Logic Puzzles
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## Puzzle 157

## Across

1. Picks up
2. Equally distant
3. Circumstance's partner
4. Evangelical Roberts
5. Handy's "__ Street Blues"
6. Body partner
7. Male parent
8. Fabulist extraordinaire
9. Chlorophyllous organism
10. Component of momentum, perhaps
11. Frequently
12. Sch. auxiliary
13. G.W. Carver studied it
14. Word at an unveiling, perhaps
15. Type of lens
16. Ultimate purpose
17. It's after Monte
18. Earl Grey and others
19. Clay brick
20. "Othello" provocateur
21. Mortise-joint component
22. Ire
23. Concurrent program airing
24. Absconded with
25. Fanfare
26. Type or sort
27. Do sum math?
28. Looking like Porky?
29. Chicken style
30. Injurious acts
31. One of the martial arts
32. Poet Pound
33. Greece's Constantine II, for one
34. Length $X$ width
35. It's overhead
36. "The Age of Innocence" actress
37. Symphonic silence

## Down

1. Golly cousin
2. Famous canal
3. Scarlett's turf
4. Bob in the Olympics?
5. Sternward
6. Recreation for two
7. Intentionally skip meals
8. Medicinal plant
9. Changed the decor, in a way
10. Bible book, briefly
11. One of the others of 37 Across
12. Coffee amount, perhaps
13. County in Missouri or Nebraska
14. Birthstone for some

22 . Word with corn or cracker
26. Embrocate
27. Hardly a rookie, briefly
28. Early afternoon
29. Classic TV mom

Morgenstern
30. Like the home team, in baseball
32. Pictures on a small screen
33. Very small amount
35. English town on the Lune
39. Edmond O'Brien thriller
41. Commotion
42. Hair goo
43. Miner's pay dirt
45. Ms. Fitzgerald
47. Acts on one's curiosity
48. Object of Jimmy

Buffett's search
49. Treat salt, in a way
50. Contemporary
51. Diacritical dot
55. DVD-player component
58. Like Jimi Hendrix's lady
59. Parched
60. Open a crack
61. As the driven snow
62. Mid-March day
63. Blame bearer
65. A wine container

Chapter 4: Logic Puzzles
171


## Puzzle 158

## 172 Part II: Getting a Complete Puzzle Workout

## Across

1. State flower of N.M.
2. Camp retreat
3. Baby seals, e.g.
4. Castaway's site, perhaps
5. Borodin opera prince
6. Mozart's Trojan princess
7. Trait of one displaying good judgment
8. Nonkosher
9. Unmatched
10. Defender of Troy
11. Demeanor
12. Word with deep or stir
13. En route on the QEII, e.g.
14. High school math course
15. Word with bar or days
16. Sea eagles
17. "Norma $\qquad$ " (Sally Field film)
18. Shrink trailer
19. Deuce toppers
20. Post-larval insect
21. Do not delay
22. Regrets
23. Burns and Allen, e.g.
24. Brother-and-sister pop act
25. Intentions
26. Acoustic organ
27. Word with up or down
28. Acclaim
29. Range of vision
30. Of the highest quality, informally
31. They once hung over the Kremlin
32. Rombauer or "La Douce"
33. Baal, e.g.
34. Luster
35. Revolutionary Trotsky
36. $\qquad$ d'Azur
37. Fixes, as fences

## Down

1. Historic conference site
2. Gestation stations
3. Darkroom object
4. Staff opening
5. The most you can get
6. Hippie coloring method
7. Old oath
8. Land east of Eden
9. Some high crimes
10. Auricles
11. 1997 Fonda role
12. Galileo's birthplace
13. Brat's forte
14. Headpiece?
15. Judges to be
16. Temporary trend
17. High-altitude habitation (Var.)
18. Race segment
19. Where to get down?
20. Honest
21. Engrossed
22. Some approvals
23. Knock out of the park
24. Military doctor's concern
25. Curry powder ingredient
26. Workout units
27. "__ favor, senor!"
28. Cause for celebration
29. Word with second or mile
30. Alligatorlike reptile
31. Kid
32. Turns into leather
33. Guideless
34. They're coming of age
35. TV Dr.
36. Stamp designation
37. It's loaded
38. It takes two people to tie it
39. Rubdown target
40. Pother
41. Doctrine

Chapter 4: Logic Puzzles
173


## Puzzle 159

## 174 Part II: Getting a Complete Puzzle Workout

## Across

1. Famous brother
2. Woodsy sites, often
3. Nosebag filler
4. "Mon $\qquad$ !"
5. Papal garb
6. Black fly, e.g.
7. Feathered projectile
8. Squash squasher
9. Having the jitters, perhaps
10. Hit tune by 58-Across
11. Lobster trap
12. Something fishy?
13. Fall back
14. Drags one's feet
15. VSOP glass
16. $\qquad$ War, 1899-1902
17. Raison d' $\qquad$
18. Hit tune by 58 -Across
19. All-conquering thing
20. Rump
21. Helped someone cover up?
22. One beyond belief?
23. Yon maiden fair
24. "Ah, me!"
25. Wabbit hunter
26. Yarrow, Stookey, Travers
27. Smile up a storm
28. Rugged rocks
29. Prospectors' prizes
30. Cut the fat
31. $\qquad$ verte (graygreen)
32. Lessor's responsibility
33. Luck's title
34. Three-time PGA champ
35. Some Saint-Lo seasons

## Down

1. Detox center candidate
2. Region of Nigeria
3. More hair-raising
4. "Here and Now" singer, Vandross
5. What a mama's boy needs to cut?
6. Elaborate song for solo voice
7. Like Rambo
8. Entreats earnestly
9. It can be delivered on Sunday
10. Curved molding
11. Indy winner, 1969
12. Game of pursuit
13. Chester White's home
14. Cover story?
15. X-ray relative
16. European capital
17. Propagated
18. One billion years, in geology
19. Variety of whale
20. Word in a Marines slogan
21. ER staff
22. Expression of general listlessness
23. Solitaire spot, perhaps
24. Making too much
25. Condition of some paint
26. Yunnan or Keemun, e.g.
27. It may be passed
28. Memorable Merman
29. Make lacework, in a way
30. Votes in
31. McGavin of "Kolchak:

The Night Stalker"
50. Crime writer Leonard
51. Turkish hostelry
52. Unflustered
53. Secret meetings
56. Alley mark
59. Award for " 60 Minutes"
60. Taj Mahal city
61. Betrayed, in a way
62. Liq. container
63. Romantic or Victorian, e.g.

Chapter 4: Logic Puzzles 175

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## Puzzle 160

## 176 Part II: Getting a Complete Puzzle Workout

## Across

1. Word with tag or double
2. Answering-machine feature
3. Thrash about
4. Potent start
5. Europe's tallest volcano
6. Links' rara avis
7. Gas that's hard to ignore
8. It has its place in the Bible
9. Came around
10. Make calls
11. Playground rejoinder
12. Sheet at the police station
13. Word with media or hysteria
14. They're uncertain
15. Type of clock or number
16. Adventurous exploit
17. Tinker about
18. Tin Man's quest
19. "Fantasy Island" prop
20. Strauss selection?
21. Transplant hero
22. You may get a hand here
23. Daily ritual, below the border
24. Burglarize
25. "Live at Red Rocks" musician John
26. Multiple refusals
27. Declared
28. Really taut
29. Bringing death
30. Much of Mongolia
31. Mystique, e.g.
32. Key ring
33. Sterilizing apparatus
34. Overpriced, e.g.
35. Needs a bath badly, e.g.
36. Where subs are assembled
37. Concert halls

## Down

1. South Pacific nation
2. Islamic prince (Var.)
3. Swinburne's " $\qquad$ on Charlotte Bronte"
4. City in North Dakota
5. Drive back, as an attack
6. Permanently mark, in a way
7. Word of welcome
8. Former Turkish title
9. Cause of cowardice
10. It helps level the playing field?
11. Way back when
12. Classification
13. "Do the Right Thing" director
21." won't be afraid"
('Stand by Me" lyric)
14. A birthstone
15. Nitrogen compound
16. Form of protest
17. Jerk
18. Forage storage
19. "The Splendid Splinter" Williams
20. Author's writer
21. Unsettlingly strange
22. Men of learning, e.g.
23. Some attempts at intimidation, in sports
24. Jungle home
25. Name that's quite fashionable
26. Razer's supply, perhaps
27. Backwoods interjection
28. "The Thieving Magpie" composer
29. Sheepish response
30. Burns film
31. Potbelly, e.g.
32. State since 1890
33. Certain priest of old
34. Sudden onrush
35. City since 1854
36. Troubles and misfortunes
37. First second son
38. A ways away
39. Had something
40. It's usually first into the tub

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## Puzzle 161

## Across

1. Dungeness or hermit
2. Ovine exchanges
3. Basic-training activity
4. River through Leeds
5. Coiffure style
6. "Cat got your tongue?"
e.g.
7. Protected, in a way
8. Disney pachyderm
9. Mel Brooks classic, 1974
10. Short map line?
11. Mom's order
12. Bronco catcher
13. Ahead of schedule
14. Light color?
15. When mammoths lived
16. Piddling amount
17. Turn gray
18. James Baldwin novel
19. In this location
20. Cyan finish
21. Expunged
22. They make periodical changes (Abbr.)
23. Nocturnal sound
24. Selfish folks
25. Trail the pack
26. Family name
27. Clark Gable film, 1938
28. Old Toyota
29. Kind of garden
30. Broadcasting
31. Teen follower
32. Mat victories
33. Modeler's wood
34. Went on horseback, e.g.
35. Entree go-with

## Down

1. Low-__ diet
2. Iranian coin
3. Covent Garden ear pleaser
4. Auto pioneer Karl
5. Very well-done!
6. Highest point
7. Hubbubs
8. Place for lost change
9. Daily divider
10. Former juvenile
11. Hoarfrost
12. Male swans
13. Abbreviated medical plan
14. Small meat turnover (Var.)
15. Loaded with options
16. Like a ballerina
17. Needed liniment
18. Tiresias and

Nostradamus, e.g.
27. Out of harm's way
29. "Roots" Emmy-winner
30. Beluga spawn, e.g.
31. Texas Hold 'em ploy
32. Funny Fudd
33. Title documents
35. " $\qquad$ bragh!"
37. Elhi support groups
39. Tokyo's ex-name
40. He said, "The buck
stops here!"
45. Largest desert
46. Exaggerated a part
48. Large-eyed lemur
50. Windy City destination
51. Popular salad
52. Fall gemstone
53. Construction beam
54. Benin neighbor
55. Spin backward?
56. Galba's 602
57. Reach the beach
58. "You're something $\qquad$ !"
59. Woeful sound

Chapter 4: Logic Puzzles
179


## Puzzle 162

## Tough

## Across

1. Some turkeys
2. Sweetened custard
3. Davidic verse
4. Shampoo additive, perhaps
5. Billion follower
6. More than a franchisee
7. Was philanthropic
8. Infection of a sebaceous gland
9. Surfer's stops
10. Sideshow attraction, perhaps
11. Borrower's burden
12. Early spring flowers
13. Park features, perhaps
14. Stock value, perhaps
15. Request legal recompense
16. Coat material, perhaps
17. Feeds the hogs
18. Stone made of silicon and oxygen
19. Some Muslims
20. Got off a horse, e.g.
21. Favorite's defeat
22. Swimming stroke
23. Third of September?
24. 1963 Paul Newman role
25. Firstborn
26. Vortices
27. Mr. Peanut accessory
28. Brit's dish, sometimes
29. They may be planted
30. Instinctive impulse
31. Alpine reverberation
32. Culpability
33. Utter indistinctly
34. Gad about
35. Rumor producers?
36. One of the Cartwrights
37. Start a pot

## Down

1. Old witches
2. Distinctive flair
3. Observatory observation, perhaps
4. Make an effort to find
5. Dictatorial ones
6. Gracefully limber
7. Certain Indo-European
8. $\qquad$ -do-well
9. They're not who they pretend to be
10. Make like a whirlpool
11. Pantry invader
12. "Malcolm X" director
13. Bride's new title
14. Norse deity who defeated Thor
15. Kingston Trio hit of ‘59
16. Tristan's love
17. The eyes have them
18. Last six lines of a sonnet, often
19. Company of performers
20. MC Hammer did it
21. Lowered in esteem
22. End of access
23. Hardly a libertine
24. Elmer $\qquad$
25. Interplanetary transport
26. Alan of "Shane"
27. Those who use currency
28. They believe in God
29. Knighted actor Guinness
30. Letters on a flattop
31. "If $\qquad$ "(Beatles song)
32. It's after Monte
33. Breed of cattle
34. "Pipe down!"
35. Zeus' consort
36. PC screen image
37. Excellent, in slang
38. Unspecified quantity
39. "Ben-Hur" studio
40. French affirmative
41. Word describing Abner

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## Puzzle 163

## Across

1. Street vernacular
2. Livorno currency, once
3. Certain construction beam
4. Black thrush
5. Teapot tempests?
6. Artist's inspiration
7. Alternate passage indicator, in a score
8. Where soldiers are made
9. Flabbergasted
10. Clothes line
11. $\qquad$ de la Cite
12. Weave go-with
13. Crackpot
14. "Look $\qquad$ ye leap"
15. Wax eloquent
16. Permeates moistly
17. Heady draft
18. Sneaky-laugh sound
19. Deck-planking wood
20. Concerns for ecologists
21. Aka Deseret
22. Hockey legend
23. A/C capacity measurement
24. Chinese-food order request, perhaps
25. Part of IV
26. "Shoo!" on the farm?
27. Socially-emerging young woman
28. It may be heroic
29. One-time White House nickname
30. It contains genetic info
31. Blistering
32. Ignore the alarm
33. Erode
34. Cubbyhole
35. Type of exam
36. More than double
37. Defeats regularly, in slang
38. Italy's Villa d' $\qquad$
39. Divided, as real estate

## Down

1. Offer comfort to
2. More opulent
3. Presuppose
4. Nuremberg negative
5. Flower shop purchases, sometimes
6. Famous tar pits
7. Words that bond
8. Type of float
9. Member of the Jetson's family
10. Computer that came in many colors
11. Crummy joints?
12. Dangerous reptile
13. Solfege syllables
14. World Series winners of 1908 and not since
15. City in Oklahoma
16. " $\qquad$ lazy river ..."
17. "For shame!"
18. McCullough's "The $\qquad$ Birds"
19. Words to Brutus
20. Massage reactions, perhaps
21. Burial site for Abraham and Sarah
22. Talk and talk and talk ...
23. Squanders little by little
(with "away")
24. "The Girl From Ipanema" saxophonist
25. Berlin connection
26. Musician's tapper
27. Comic's collection
28. Almost a home run
29. How some potatoes are served (with "au")
30. Ready for a commitment?
31. Made some lace
32. Lover of Daphnis
33. Rankles
34. Shipshape
35. Casino game
36. Lennon's mate
37. Formal promise

## Chapter 4: Logic Puzzles <br> 183



## Puzzle 164

## 184 Part II: Getting a Complete Puzzle Workout

## Across

1. Moat menace, briefly
2. On or about
3. Place for change
4. Word with happy or eleventh
5. Make into law
6. Verb with down or out
7. Shop sign
8. Naysayer
9. Freshman on the bench
10. Cry from a nest over water
11. Brit. honor
12. It cannot be returned
13. Make coffee, in a way
14. "Kalifornia" star
15. Consent concern
16. Word with space or soap
17. Sweet-smelling necklace
18. Part of some film reviews
19. Loony
20. King of entertainment
21. Industrial container
22. Usher's post, often
23. French appellation
24. Mr. with the Mrs. and Mrs.
25. Kyrgyzstan range
26. Test req.
27. High-tech defense initials
28. "Little Women" author
29. On a tilt
30. Dear partner
31. Bizarre
32. Philosopher Immanuel
33. Kind of range
34. Need an ice bag, e.g.
35. Vicinity
36. Eyesores, really
37. Unexpected slide

## Down

1. It may be struck
2. Lounge lizards, e.g.
3. Trump
4. Some computer displays, briefly
5. Toyota model
6. Habituated
7. Unleash a diatribe
8. VIx L
9. Muscular
10. Best Actress, 1999
11. Make advances
12. Promising words?
13. Small combo
14. Mitchell clan
15. If it's a bust, it still qualifies as this
16. Landing on the water
17. Fiber source
18. Rio de la $\qquad$
19. Resigned remark
20. Kind of talk
21. Dueling sword
22. Middle East sultanate
23. $\qquad$ Alto, California
24. Dutch town or type of food
25. Marker
26. Certain United workers
27. "The Gift of the $\qquad$ "
28. Minor but aggravating problem
29. Meal known by its initials
30. Sleeveless coat
31. Furlong's 7,920
32. Carrier from the left ventricle
33. Cheese and crackers, e.g.
34. Jawaharlal Nehru University state
35. Twiddled one's thumbs
36. "Puppy Love" singer
37. TV producer Norman
38. Nursing home aid, perhaps
39. Uncertain
40. "When $\qquad$ a lad
41. Temper tantrum

Chapter 4: Logic Puzzles 185


## Puzzle 165

## 186 Part II: Getting a Complete Puzzle Workout

Across

1. Bistro
2. Beliefs
3. Israeli weapon
4. Organic compound
5. It puts you in the slow lane
6. Play on words
7. Levelheaded
8. Beethoven's "Minuet
9. Bookplate
10. Star of "The Day the Earth Stood Still"
11. Collars
12. Deal of fortune?
13. A piece of work
14. Place to pick up a Schwinn
15. Strong-willed type, according to the stars
16. "Backyards, Greenwich Village" artist
17. It's full of holes
18. Tribulations
19. Movie snack bar word, perhaps
20. It's heard on the roof
21. Greek sorceress
22. General drift
23. Travel stop
24. Missing one
25. Yankees leader
26. Dines go-with
27. "No way"
28. Lunar feature
29. Out of jeopardy

56 . This may be over your head
57. Test under pressure
59. Joanne Woodward title role
60. So far
61. Film Dr.
62. Certain evergreen
63. Rubbed out, in a way
64. Say it ain't so

Down

1. Turn over
2. Dumb as $\qquad$
3. Chicken or turkey, e.g.
4. Storm's cause, perhaps
5. Target of an Avon representative
6. "___ the loneliest number"
7. Pate de foie $\qquad$
8. Fold, spindle, or mutilate, e.g.
9. US rail
10. Heavenly bodies
11. Undecided
12. New Mexico tribe
13. Pulitzer playwright

William
18. Ski lift features
22. Private reply?
24. Smattering

25 . One with more than 15 minutes of fame
26. Stands up to scrutiny
27. Ballerina balancer
28. Like ewe?
29. Sean of "The Game"
30. Bean town?
32. Hall's singing partner
35. "Now you $\qquad$ now you don't"
37. Like the pharaohs
40. Bening of "American Beauty"
42. Grumpy co-worker?
45. Abject fear
47. Called the game or separated fighters
49. Nick of "Cape Fear" (1991)
50. $\qquad$ de cuisine
51. Sitarist Shankar
52. Lukas of "Rambling Rose"
53. Rip in two
54. Julia's Brockovich
55. Wriggly and slippery, e.g.
58. Mountain in Crete

Chapter 4: Logic Puzzles


Puzzle 166

## Across

1. Counterpart
2. Muscle contraction
3. Beginning of relief?
4. Allies' adversary
5. Type of black tea
6. Cap setting
7. Some checks
8. Gucci of fashion
9. Prefix for classical or Latin
10. Finish the course?
11. Opposite of deject
12. __ Dawn Chong
13. Words with the chase
14. Some checks (With

49-Across)
33. Tourmaline, e.g.
34. Appease fully
35. Make a right
36. "Watermark" chanteuse
38. "Beauty and the Beast" character
40. Nursing a grudge
44. Vientiane native
46. Hebrides isle
48. Recess game
49. See 30-Across
54. Interior style
55. End of some Web addresses
56. Pains in the neck
57. Get behind, in a way
58. Gig implement
60. Dele undoer
62. Some checks
68. Jungian topics
69. Get ready for kickoff
70. Superior, for one
71. Adam's boy
72. Marching drum
73. Checked out with interest

## Down

1. Make imperfect
2. Firefighter's tool
3. "Whether $\qquad$ nobler ..."
4. Executorial concern
5. Future fries
6. Make a long, grandiloquent speech
7. Bit of rap sheet shorthand
8. Elizabeth Barrett Browning work
9. Apportion
10. Take on moguls?
11. Coves
12. A frozen dessert
13. Memorable Moses portrayer
14. Baldwin, Guinness and others
15. Game often played with wooden balls
16. Good thing to have when competing
17. Legal claim
18. Type of ant
19. Artist's studio
20. Maui melody makers, briefly
21. Off-limits
22. Insurance promoter
23. Brand for Bowser
24. Bird with brownish plumage
25. Sheriff Taylor kept a cell for him
26. Spew fire and brimstone
27. Faberge handiworks
28. Kitchen cover-up
29. By order of
30. Sun-dried bricks
31. Section in a music store
32. Spotted wildcat
33. Corcoran of "Bachelor Father"
34. It lets off steam
35. It comes before Romans
36. Word with deck or measure
37. Silvery gray
38. Caribbean, e.g.
39. Vocal objection
40. Barely make (with "out")
41. Clearly embarrassed

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189


Puzzle 167

## 190 Part II: Getting a Complete Puzzle Workout

## Across

1. Word on a cornerstone, perhaps
2. Gift from China
3. Kind of loser
4. Car sound
5. Therapeutic plants
6. Like a world famous office
7. Stops shouting
8. Gave to another for care
9. Rear for rear, perhaps
10. Lawyers' grp.
11. Hearty brew
12. Kipling novel
13. Balkan republic (Var.)
14. Classified fodder
15. Out for the accused
16. Type of tea
17. Combat outfit
18. Increases the chance for a sale
19. Newsman Roger
20. Indigent
21. First symptoms, e.g.
22. '70s White House kid
23. Throw a monkey wrench into, e.g.
24. Sibilant sound
25. Dry, in Napa
26. Sound of satisfaction
27. Salts used medicinally
28. Largest city of Laos
29. Rejects a bid
30. It bonds models
31. Pointed arch
32. Place for dinars
33. Certain salamanders
34. Lessened
35. Absorbs gravy with bread, e.g.

## Down

1. With the wherewithal
2. Atomic number 10
3. Eye used in spooky recipes
4. Phantom's passion
5. Where the Danube meets the Inn
6. Words with "Thanks"
7. All alternative
8. Transfer document
9. Sure-footed animal
10. Honorary Shawnee
11. Roman love poet
12. Census form query
13. Red or Cardinal, for short
14. Protocol
15. Southern constellation
16. Hospital staffer, e.g.
17. Word in a John Lennon tune title
18. Part of the small intestine
19. David Robinson was one in college
20. Japanese flavorings
21. One for whom play means work
22. India's first prime minister
23. Liqueur flavoring
24. Chops into cubes
25. Editor's markings
26. Unopened bloom
27. Samovar, e.g.
28. Heroic in scale, moviewise
29. Non-computer chip?
30. Actress Moore
31. Gave a negative review to
32. They stay ahead of heels
33. Sound investments?
34. Flange
35. Ill-gotten gains
36. Hare's tail
37. Old Chevy
38. Words with the doctor
39. Residential overhang
40. Voluminous do
41. Tide of minimum range
42. Seashore sights (Var.)

61 . When do we want it?

## Chapter 4: Logic Puzzles



## Puzzle 168

## 192 Part II: Getting a Complete Puzzle Workout

## Across

1. Deer enemy
2. Saucy
3. It causes one to hesitate
4. Not at hand
5. Induction rating
6. Like Audubon's interests
7. After-dinner wine
8. Lumpy masses
9. Invoice word
10. Cause of stubbornness, for some
11. Descriptive of an intimate dinner
12. Save the Tin Man again
13. Toy introduced in 1950
14. Vile Nile creatures
15. Hardly an Oscar candidate
16. Spew forth
17. Richard's veep
18. Great heavyweight
19. Baltimore-Philadelphia dir.
20. A question of identity
21. Millennia upon millennia
22. Notorious Bugs
23. It has a ball at the circus
24. Cimabue's "__ Trinita Madonna"
25. "Good grief!"
26. High-rise convenience, perhaps
27. Cut off from everyone else
28. Studies desperately
29. Pleasant climate
30. Kind of breeze
31. Region
32. Hybrid citrus fruit
33. French bread, once
34. Thomas, the clockmaker
35. Nursery rhyme vessel
36. Onward
37. First place
38. Laborious journey

## Down

1. Infant fare
2. Craft in the tabloids
3. Deface
4. Like a literary Dodger
5. Walt Kelly character
6. Organic compound
7. Renaissance
8. It hangs from the fauld
9. Wrist bones
10. Partial superimposition
11. "La Boheme" role
12. Word with old or meter
13. Pot content
14. Kind of mask
15. Heavy barge
16. "Ain't That $\qquad$ $"$
17. Short conversation?
18. Site of Twain's remains
19. Play on words
20. Put to work
21. Nap in Hermosillo
22. For the time being
23. Underwater detection instruments
24. Comfort in sorrow
25. One W of WWW
26. Hee follower
27. Unbudging
28. Practiced yellow journalism, perhaps
29. Jones' financial partner
30. Feeling of anxiety
31. Enter uninvited
32. Type of mob
33. Loud, hearty laugh
34. Prefix with phobia or bat
35. "Sanford and Son" co-producer
36. Head of France
37. 1944 chemistry Nobelist Otto
38. Long-jawed freshwater fish
39. Tell it like it isn't
40. Classification

## Chapter 4: Logic Puzzles 193

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## Puzzle 169

## 194 Part II: Getting a Complete Puzzle Workout

## Across

1. It may be full of lemons
2. "The $\qquad$ " (sci-fi classic)
3. Elevator innovator
4. Tree exudation
5. Military assistant, e.g.
6. Moccasins' old kin
7. "Belay there!"
8. Clarinetist's need
9. Meagerly manages (with "out")
10. Little girls' ingredients?
11. Sea homonym
12. Gardner of "Show Boat"
13. Clemente or Mateo lead-in
14. Carte start
15. Spotless
16. Kind of air filter
17. Stout kin
18. Abstract style of the '60s
19. Linen color, perhaps
20. Below, poetically
21. Middle of Descartes' conclusion
22. Symbol of laziness
23. Despite the fact that, in short
24. College founded in 1440
25. Unharmed
26. Bastille Day season
27. British bathroom
28. Genetic stuff
29. About-to-be-grads
30. Pleasantly brief
31. Western tableland
32. Jazz man Hinton or Jackson
33. One with a promising future
34. Assert
35. Arsenal contents
36. Crop up
37. Like some turkey meat
38. "Lawrence of Arabia" director
39. Mend a split in one's pants, e.g.

## Down

1. Fescue, for one
2. Casino show, perhaps
3. River to the Missouri
4. Traveler's need, maybe
5. Snare
6. Marine crustacean
7. Spoke with forked tongue
8. Black Sea port
9. Hospital room object
10. Cartel since 1960
11. Disassemble
12. Restaurant block
13. Serpentine sound
14. Bird-related
15. China lead-in
16. Florida city near Tampa
17. Rubinstein or Bruckner
18. Fry a little
19. Contemporary of Shelley
20. A driving concern?
21. 1946 Literature Nobelist Hermann
22. Critical success
23. Academician
24. "Our Town" author Wilder
25. Baskervilles dog
26. Seraphic topper
27. Type of behavior
28. Complete a sentence
29. Flag-waving org.
30. Round of four
31. Actress Witherspoon
32. Spread by scattering
33. Dove opposite
34. $\qquad$ mater
35. Donned
36. Steaming
37. $\qquad$ Marie Saint

## Chapter 4: Logic Puzzles 195



## Puzzle 170

## 196 Part Il: Getting a Complete Puzzle Workout

## Across

1. Cary Grant, originally
2. Man of many parts
3. Noisy dispute
4. Golf rarity
5. Piece of the pie
6. Commit a faux pas, e.g.
7. Old hands in the garden
8. Citrus suffix
9. Peak in the mythical war of the Giants
10. Plot set in the suburbs?
11. Comedian DeGeneres
12. Cooperstown's Ryan
13. "Brian's Song" character
14. Goon's blow-enhancers
15. Put down in writing?
16. Luau dish
17. Resign (with "down")
18. Kind of wind
19. Simpleton
20. Kooky
21. Glamorous Gardner
22. Defendant's part of the bargain?
23. Its floor is wet
24. Warren or Joyce Carol
25. Worst one to handle packages
26. Type of doll
27. Martini's partner
28. Pearl Mosque country
29. Guilty party, to a cop
30. Word oft shouted downtown
31. Prefix with ode or pod
32. Sign of nerves
33. Naval agreement?
34. Yankees skipper
35. One way to be lost
36. Was in front
37. Geisel's pen name
38. Daft

## Down

1. Block brand
2. Cornstalk features
3. Seemingly forever
4. Purge
5. Mother ptarmigan
6. School of painters,
c. 1908
7. Roil
8. Far from shocking
9. Spheroid
10. Put the lid back on
11. Houses and land
12. Court call
13. Some birds
14. Radio format
15. Caustic soaps
16. Christiania, today
17. Crash prelude, often
18. Radar sighting
19. Small brook
20. Physically fit
21. Make baby sounds
22. At any time
23. Third-and-long option
24. Concerning
25. Service charge
26. Gangland bigwigs
27. Their logo has four rings
28. Unpaid debts
29. Excitedly, in music
30. Champagne salutes
31. Long suits
32. Cosby TV series
33. Absolutely necessary
34. Deli phrase
35. Cole Porter's birthplace
36. Furthermore
37. Comic-book superheroes
38. Brit's exclamation
39. Tribulation
40. Chum

Chapter 4: Logic Puzzles


## Puzzle 171

## Across

1. Help out in a scam
2. Designed for all school grades, in the U.S.
3. Once and again
4. Nominate
5. Move toward
6. Use a stationary bike
7. Start of a timely definition
8. Underhanded
9. Vast South American region
10. Mantel piece, perhaps
11. British bombshell Diana
12. Slugging stat
13. Have respect for
14. Causation study
15. Low dam
16. Switch words?
17. Stubbed item
18. Timely definition (Part 2)
19. Pythagorean $P$
20. Wayne Gretzky, until 1988
21. Take it on the chin
22. Tarnish
23. Selected
24. Shelley praise
25. Sticky stuff
26. Brit's baby carriage
27. Less calm

56 . Fill in
59. End of the definition
62. Mississippi quartet
63. Aqua or cosmo trailer
64. Low tract
65. Newborn puppy
66. Has a balance
67. Petri dish medium

## Down

1. Tamandua's diet
2. Keep a leaky boat afloat
3. TV trophy
4. Golf expendable
5. Make certain
6. Martin's screen partner
7. "Serves you right!"
8. Mashed locale
9. Map abbreviation, perhaps
10. Certain cottoneater
11. Clever thought
12. Supply for play pistols
13. Alternatively
14. Sikorsky or Stravinsky
15. Import duty, e.g.
16. It may be dished
17. Belly laugh
18. Bestow an honor upon
19. New $\qquad$ India
20. Director Forman
21. Script direction
22. Guided excursion
23. Others in Mexico
24. Barnyard honker
25. Red Sea country
26. Norse capital
27. Chivalrous Robin
28. Actress Brennan
29. Drifting ice sheet
30. Make someone do something
31. Footballer's footwear
32. Feel pain
33. Concluding dance movement
34. Expression of relief
35. Poison ivy symptom
36. End of many sanctuaries
37. Flintstone's pet
38. Chew on, as a bone
39. Hosiery problem
40. Where Bill Walton played college ball
41. Kind of belly
42. Prognosticator's forte, maybe
43. Eggs, scientifically

Chapter 4: Logic Puzzles

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 |  | 9 | 10 | 11 | 12 | 13 |
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## Puzzle 172

Across

1. Epistle writer
2. Temple's first husband
3. Bar fare
4. One-time Delhi queen
5. Prefix meaning "minute"
6. Beethoven dedicatee
7. Garden bloom
8. Film villain
9. Invoice word
10. Beat
11. Barking mammal
12. Food for a flicker
13. Woodstock gear
14. Buttercup relative
15. Cain raiser
16. Henhouse perch
17. . 0000001 joule
18. Overlook
19. Beat
20. Glimpse
21. Tempest in a teapot
22. Slake
23. A Partridge portrayer
24. Marked for life
25. Allen wrench shape
26. Play parent for a night
27. Essayist's alias
28. Beat
29. Type of system or badge
30. Fiesta fare, perhaps
31. Frosty the Snowman accessory
32. Griffin part
33. Kitten's plaything
34. "The Camp Meeting" composer
35. Garson of "Madame Curie"
36. One of a matched set
37. Piggy-bank deposit

## Down

1. Stuck-up one
2. Bern is on it
3. Word with military or heating
4. Shopping memos
5. Cuzco native
6. Distort, in a way
7. Stuart queen
8. Dig like a pig
9. Completely calm
10. Wide-eyed
11. Prom night wheels, briefly
12. "Clueless" exclamation
13. NYPD title
14. Tract of wasteland
15. Latin dance
16. Dangerous go-with
17. Large northern deer
18. Type of seed
19. Produce item
20. Precious metal, in Madrid
21. Writer Zola
22. Like some statistics or organs
23. Gas for Merman?
24. Place for pen pals?
25. Barn bird
26. Inheritance of the meek
27. Pharmaceuticals overseer, for short
28. Woody Allen's "

Days"
46. Kind of pill
47. Winter aid for windshields
48. Nudges, in a way
50. Subway feature
52. Savory jelly
53. Juicy fruit
54. Compulsion
55. Imprint
56. Headless cabbage
57. One place to find your honey
58. Lead the bidding
59. Arboreal abode
60. "Little Women" woman

Chapter 4: Logic Puzzles 201

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 |  | 9 | 10 | 11 | 12 | 13 |
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| 25 | 26 | 27 |  | 28 |  |  | 29 | 30 |  |  |  | 31 | 32 | 33 |
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## Puzzle 173

## 202 Part II: Getting a Complete Puzzle Workout

## Across

1. Stretch for a VIP
2. Saturate
3. Abacus unit
4. Urgent memo letters
5. Gets warmer, in a game
6. Inner drive
7. Verbal error
8. Russian Tea Room decorations, perhaps
9. American impressionist Childe
10. Lost animated fish
11. Type of coincidence
12. Grocery store section
13. Escapee from Sodom
14. Wall Street abbr.
15. Topple over
16. High-pressure personality
17. Some plural endings
18. What delicious food seems to do
19. Crony
20. Fine partner
21. City in Montana
22. "The $\qquad$ the limit!"
23. Fjord relative
24. Yon partner
25. $\qquad$ and feathers
26. Nautical centerpiece
27. Illinois river city
28. Minerals found in copper deposits, sometimes
29. Set for battle
30. List on a detergent label, perhaps
31. Some Jewish months
32. Wife of a rajah
33. Camera attachment
34. Insolent
35. Sharp blow

## Down

1. Young lady
2. Majorca, to a native
3. Hurt severely
4. Frazier, to Ali
5. Odious reputation
6. Urban newspaper section
7. "A Christmas Carol" cries
8. Press ending
9. Art lovers (Var.)
10. Inventor of a burner
11. Work units
12. Request from a thirsty Spaniard?
13. Form an opinion
14. Went to extremes
15. Lifeboat must
16. Displaying listlessness, e.g.
17. Grinds partner
18. In a vertical position
19. Shade of green
20. "Wonder Woman"

Carter
29. It must be served, it's said
30. Hill count in Roma
31. English urban district
33. Morrison and Tennille
34. Surrounding
37. Adds commentary to
38. People living away from their place of work
43. Accent
45. Joan of Arc's crime
47. Helping hand
48. Eye makeups
49. He was converted on the road to Damascus
50. Scottish Gaelic
51. Good or bad sign
52. Heating measures, briefly
53. Marsh duck
54. Sicilian volcano
55. Transport commercially
57. Pay ending

## Chapter 4: Logic Puzzles 203

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 | 9 |  | 10 | 11 | 12 | 13 |
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## Puzzle 174

## 204 Part II: Getting a Complete Puzzle Workout

## Across

1. Red Sea port (Var.)
2. Counterfeit quarter, e.g.
3. Degrees sought on Wall St.
4. Soubise base
5. Places for runs?
6. Voice below soprano
7. Ultraviolet glower
8. Around the bend
9. Pecs display case
10. Expires
11. Lotto relative
12. Squared up
13. Revered remnant
14. Singer's first recording, often
15. 1952 and 1956 campaign name
16. Soldier's helmet, in slang
17. Got by
18. "Absolutely Fabulous" character
19. Tie up the phone, e.g.
20. Met by chance
21. Bachelor's pride
22. For $\qquad$ see (in plain view)
23. Rathskeller needs
24. Muscle contractions
25. Deplete
26. Chaotic happenings
27. Ball partner
28. Scout's discovery
29. Mythical god of discord and mischief
30. "The Honeymooners" role
31. Start for metric or bar
32. $\qquad$ 'acte (intermission)
33. Revise a manuscript, e.g.
34. Leave unacknowledged
35. Informal lead-in to "girl!"
36. "__ say more?"
37. Keeps company with
38. Carrel furniture
39. Called one's bluff

## Down

1. Subcontracted (with "out")
2. One way to fall
3. Royal headwear
4. One of a short seven
5. Fibula's terminus
6. Place for hands
7. Sometimes they get the ax
8. Theater guide?
9. Starter's phrase
10. The human race
11. Kind of stock
12. Envelope abbr.
13. Hardly thrilling
14. Pretentious
15. $\qquad$ de plume
16. Use, as a chaise longue
17. Ranges of understanding
18. Reviews and corrects
19. Santa $\qquad$ , Calif.
20. Small amount
21. Waft from the kitchen
22. Prime draft classification
23. Word with tank or range
24. Mountain climber's challenge
25. Like some formal events
26. Highest point
27. Souvenir-shop items
28. Erie mule
29. Voyager of legend
30. Winter windshield clearer
31. Within the legal area of play
32. Impassive
33. Actor Nick
34. What all good things must come to
35. Most people born in August
36. "Lean ___" (1989 film)
37. Dead-end jobs, e.g.
38. Hardwood used on boats
39. Teachers' org.

Chapter 4: Logic Puzzles 205


## Puzzle 175

## 206 Part II: Getting a Complete Puzzle Workout

## Across

1. New Testament book
2. Provide the grub
3. CD followers
4. Marshal Kane's deadline
5. Kicking partner
6. Give off
7. Abandoned queen of Carthage
8. Mechanical learning routines
9. Miami or London, e.g.
10. States dined, except Alaska and Hawaii?
11. Court order
12. Walker on a beat
13. Computer guru
14. Extol
15. Its symbol is an omega
16. Value system
17. Whiskey drink
18. Corn lily
19. Famous warblers making sawbucks?
20. Wine choice
21. Moreover
22. Up until now
23. Burdened beast
24. Units of wire thickness
25. Electorate
26. Big one in London
27. Big rig
28. Last one at the Round Table?
29. Gifted one
30. In the first place?
31. Dynamic start?
32. Top-of-the-line
33. Slowly, to Toscanini
34. Follow
35. Contest
36. Light-show source
37. Sphere's lack

## Down

1. Popular joiner
2. Phone cord shape
3. Fuss
4. Gal pal of seven little ones
5. King thriller
6. In the clouds
7. Milosevic predecessor
8. Always
9. Prescription for burnout
10. Go over
11. Leave out
12. Pesky arachnid
13. It's fit for a pig
14. "Love Story" author

Segal
22. Hebrew letter
25. One more than tri-
26. Morals standards
27. Fischer's game
28. Rich soil
29. Camera setting
30. Type of daisy
31. Human Resources person, at times
32. Sails' staffs
34. Order to a broker
35. Be behind
37. Precipitation type
38. David's greatgrandmother
43. Blanc or Torme
44. Merchant
45. Jewel holder
46. An old one may need a key
47. Commandment word
48. Sparkling, for one
49. "Take__ Train" (Duke Ellington)
50. Feathered females
51. Kind of hunter
52. Math subj.
53. Roll for a high roller
56. Seville cheer

Chapter 4: Logic Puzzles 207

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 | 9 |  | 10 | 11 | 12 | 13 |
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## Puzzle 176

## Across

1. Frankenstein's gofer
2. Kitchen piece, perhaps
3. Turkish leader
4. Nonnegotiable item
5. German sub
6. Broadway production
7. Actor in scary roles
8. Bring down the house?
9. Were now?
10. Hale and Ladd
11. Lies low
12. Uninvited partygoer
13. Where Singaraja is
14. Kiss partner
15. Exclude from practice
16. Mythical monster
17. Suffix with patriot or manner
18. Like a sacker of Rome
19. Actor in scary roles
20. An alarm clock or rooster, e.g.
21. Photo __ (camera sessions)
22. Track act
23. Underground growth
24. Norwegian metropolis
25. Package delivery org.
26. Hunting dog
27. "West Side Story" song
28. Items in a hold
29. Tasteless newspaper
30. Country on the Caspian
31. Actor in scary roles
32. After-bath powder, perhaps
33. Mountain ridge
34. $\qquad$ fixe
35. "Will there be anything
$\qquad$ ?"
36. Editor's marks
37. Kevin Costner role

## Down

1. Strike forcefully
2. Nom de $\qquad$ (pseudonym)
3. Pertaining to bone
4. 66 is a well-known one (Abbr.)
5. Bridal veil material, perhaps
6. On the train
7. Brought into the world
8. Phyllis' never-seen TV husband
9. Summer on the Cote d'Azur
10. Clock-changing month
11. Sword lilies
12. It follows "Purple" in a song title
13. Seafaring assents
14. Preppy cheer
15. In great need
16. Smooth and glossy
17. Stringed instrument
18. Tennis legend Chris
19. Chesapeake, for one
20. Brazilian vacation destination, for short
21. "Proud Mary" grp.
22. Tibetan guide
23. Spanish hands
24. Williams "Happy Days"
25. Scientist's site
26. Be obligated to
27. Seven and eleven, in Vegas
28. Classical prefix
29. "Doctor at Large" character
30. Walked with a purpose
31. Rental agreements
32. Saturnalias
33. From a time
34. Leers at
35. Promissory note
36. Wee parasite
37. Asian sea
38. Dick Francis book
"Dead $\qquad$ "
39. Away from the wind
40. Some university degs.
41. Jubilant cry in a card game

Chapter 4: Logic Puzzles 209


## Puzzle 177

## 210

 Part II: Getting a Complete Puzzle WorkoutAcross

1. Vaulted church section
2. Hair curlers?
3. Rivers or Lunden
4. Rhythmic pulse
5. Bye-bye, in Burgundy
6. Take apart
7. Garb for a rite of passage
8. Unenviable grades
9. Skirt insert
10. Rather formal
11. Weather word
12. Toast topper
13. Wake-up calls
14. Bumper sticker phrase, usually
15. Advised leader?
16. Folder fodder
17. Salts, in a way
18. "The Cask of

Amontillado" author
36. They're from Splitsville
37. Kind of dog
38. Horse sound
39. Mr. Caesar
40. "A Certain State of Mind" author Norma
41. Witchlike old woman
42. Prefix for corn or angle
43. Latin being
44. Boarding house
occupant
45. Like all living organisms
47. Swift pieces
48. Japanese straw mat
50. $\qquad$ and crafts
51. Horror-film helper
52. When one becomes eligible for college
58. Weightlifting exercise
59. Mortal
60. China lead-in
61. Piano pieces?
62. League constituents
63. $\qquad$ out a living
(scraped by)

## Down

1. Start of a kindergarten song
2. Garbanzo, for one
3. Maple product
4. Places for knickknacks
5. National League team
6. Move bit by bit
7. Grande or Bravo
8. Feline sound
9. Like some raisins
10. Land occupied by Israel since 1967 (Var.)
11. What's obtained upon

52-Across
12. Lemon and lime drinks
13. Too inquisitive
18. Benchmarks
22. Dumbbell turns
23. Least dangerous
24. Word on a bottle of snake oil
25 . Address at 52-Across
26. Raised to the second power
27. Runs smoothly, as an engine
31. Like some "tunes"
32. Biblical outcasts
34. Put the whammy on someone
37. Old-fashioned illumination
38. Transverse beam
40. Place to find leaders
41. Word with Rica or Mesa
44. "The Honeymooners" episodes, today
46. Countesses'
counterparts
48. Watch sound
49. Feverish condition
50. First lady's man
53. Lament
54. "I__ lineman for the county"
55. Media attention, in slang
56. Verse form
57. Say yes, in a way

Chapter 4: Logic Puzzles 211

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| 58 |  |  |  |  | 59 |  |  |  |  |  | 60 |  |  |  |
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Puzzle 178

## 212 Part II: Getting a Complete Puzzle Workout

## Across

1. Foul callers, briefly
2. Tale with a point
3. Famous loser in a

5-Across
14. Pawn taker, sometimes
15. Acclaim
16. Zatopek or Jannings
17. Transistor adjective
19. Front the money
20. Random choice
21. Computer signpost
22. Feel in the gut
23. Engine type
26. Turn in
29. Modicum
30. River into the Severn
31. City in South Korea
33. Word with punching or sleeping
36. Imaginary shell formed by the sky
40. Word with all or result
41. Variety of beet
42. Coward's confession?
43. Anglo- $\qquad$ War
44. Slow reptile
46. Summer treat
51. Whiz
52. Jai $\qquad$
53. Lamb's call
56. Dyeing plant
57. Butcher's offerings
60. "__ Flanders"
61. Emulate Paul Revere
62. New York state canal
63. Congressional meeting (Abbr.)
64. Cumbersome
65. Entertainer Horne

## Down

1. Heavenly bear
2. Space race target
3. Roly follower
4. One way to make tracks
5. Variety of grass
6. Role player
7. Voice of Daffy Duck
8. Short back muscle
9. Berlioz's "Les nuits d' $\qquad$
10. City not far from Butte
11. Change a contract, e.g.
12. Certain cycle
13. Mormon official
14. Noted Christian
15. Certain exercise
16. Exquisite
17. Relinquish, as control
18. Fireplace fodder
19. Word with course or horse
20. Without advantage or disadvantage
21. Recounted
22. Royal crown
23. Berne's river
24. Lahr or Parks
25. A salty lake
26. Hereditary factor
27. Look down on with disdain
28. "God shed His grace on
$\qquad$
29. Put on the payroll
30. They're in bone marrow
31. Warm and comfy
32. The "U" in ICU
33. Muslim teachers
34. It needs a good paddling
35. Monkeys' taboos
36. Silents actress

Normand
50. Uriah Heep, by profession
53. Without clothes
54. Related by blood
55. On the Mediterranean, e.g.
57. It'll take you for a ride
58. Curved Alaskan knife
59. It may be smoked

Chapter 4: Logic Puzzles 213

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 | 9 |  | 10 | 11 | 12 | 13 |
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## Puzzle 179

## 214 Part II: Getting a Complete Puzzle Workout

## Across

1. Small annoyance
2. They're supportive to a star
3. Institute
4. Louis-Philippe and others
5. Between ports
6. Brimless woman's hat
7. Unlikely place to find a star
8. Proposes
9. Delays
10. Bean-spillers
11. Vintner's valley, perhaps
12. Combustion byproduct
13. Correct a tire pull
14. Hindu prince
15. Quick to learn
16. Collections of reminiscences, e.g.
17. " $\qquad$ of God"
18. Unlikely place to find a star
19. Not on all fours
20. Came down, as on a perch
21. Umbrage
22. Seldom seen
23. Herculean types
24. Tryout
25. Open partner
26. Seeming eternity
27. Obvious offensiveness
28. Malodor
29. Unlikely place to find a star
30. Emulate a horse, in a way
31. Location of an ancient garden
32. Cabbage concoction
33. "Dynasty" actress

Emma
66. Something to break into
67. "Desire Under the ___"

## Down

1. Handlebar feature
2. Forbidden thing
3. British isles
4. Popular souvenir item
5. Airport feature
6. Thick-brick connector
7. Splinter group
8. Very attractive
9. Throat ailment, perhaps
10. What an XXXL jacket is, for many
11. Blue tinged with green
12. Ladder segment
13. Danson and Williams
14. Greek letter
15. Fed. agent
16. Crate component
17. Curved sword
18. Haunt of a certain phantom
19. Last choice on some lists
20. "It Had to Be You" composer Jones
21. Warbucks' ward
22. Hoots, boos, raspberries, e.g.
23. Valued property
24. Colony soldier
25. What a star is paid to do
26. Freezing rain event
27. Zeno's home
28. Infamous New York penitentiary
29. Pursue
30. Applies acid to glass, in a way
31. Bloodthirsty fly
32. Handles for 25-Down
33. It's seen briefly at the end of a list?
34. Paycheck signer, typically
35. Goddess of the moon
36. Molecule maker
37. Former name of Tokyo (Var.)
38. Void partner
39. Study in a hurry
40. Chops down
41. Confident puzzlesolver's tool

Chapter 4: Logic Puzzles 215


## Puzzle 180

## 216 Part II: Getting a Complete Puzzle Workout

Across

1. Anthem beginning
2. Chest muscles, for short
3. It's seen at the Olympics
4. Added up (to)
5. Jack-in-the-pulpit, e.g.
6. A status symbol
7. Poser
8. State one's views
9. Type of wrestler
10. Reeves of "Speed"
11. $\qquad$ del Plata
(Argentinean resort)
12. Newly hatched hooter

25 . Think quietly and inwardly
27. "Well!"
31. Hive members
32. Help wanted advertisement?
33. First name in masterpieces
35. Filly filler
36. Poser
39. Cutting thrust
41. Cooking fat
42. Insecticide banned since 1972
45. Thinly populated
47. Held by a third party, as money
50. Unventilated
52. 1836 battle site
53. Retrieve
54. Fancy footwear, once
57. Flaky mineral
58. Like Wingfield's menagerie
60. Poser
63. Ghastly strange
64. Con__ (with vigor, in music)
65. Elbow-wrist connector
66. Stallone title role
67. Deadly snakes
68. It may be due, get the point?

## Down

1. Scottish "Oh my!"
2. "According to what authority?"
3. Vials
4. Naval petty officers
5. Golf standard
6. Composer Satie
7. Quaintly attractive
8. Microscope sample
9. Elaborate decoration
10. One way to take a bough
11. Sustenance
12. Threatens
13. Puts forth effort
14. Dove's domicile
15. Homer's neighbor
16. Fourth qtr. followers
17. Rich soil
18. L.B.J.'s successor
19. Part of R.S.V.P.
20. Listlessness
21. Yemeni port
22. "Blue Suede Shoes" writer Perkins
23. Preoccupied with
24. Hwy.
25. Pitchman
26. Served raw
27. Blood count?
28. They may be eminent
29. Tangoing number
30. Drooped
31. Medium's method
32. Kind of old story
33. Coterie
34. Brazilian dance
35. Seafarers
36. Cutting sound
37. A Caesar
38. Calculator figs.
39. First name among legendary crooners

Chapter 4: Logic Puzzles 217

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 |  | 9 | 10 | 11 | 12 | 13 |
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## Puzzle 181

## 218 Part II: Getting a Complete Puzzle Workout

Across

1. Org. co-founded by Helen Keller
2. Nothing special
3. Transport with a gas engine
4. Farm wagon
5. Word with indigestion or test
6. Orderly grouping
7. "Tom Thumb"
composer
8. Ragged, as a garment

20 . Word with base or scene
22. Nipper's corp.
23. Kansas City Wizards org.
24. Group of islands belonging to Scotland
26. "Today I $\qquad$ man"
28. Kind of card
29. "Father Knows Best" family name
34. Coffee variety
36. Fare at a luau
37. Blues singer James
38. Want as a price
39. Mexican president, 1988-94
43. Siegfried's partner
44. For whom the bell tolls
46. Maiden name preceder
47. Ovine sign
49. Fragrant plant
51. Big English clock
52. Wing of a building
53. Flat-bottomed sled
58. ICU offering, hopefully
61. Malaysian export
63. Illustrious
64. Like some terriers
67. Gadgets for Tiger
68. Public persona
69. Prong
70. Pucker-producing
71. Islands near Fiji
72. British fellows
73. Colony members

## Down

1. Covered by waves
2. Food list
3. Defensive stalwart, in football
4. Find after a long search
5. Overly full
6. Moderate orange-yellow color
7. Term of address
8. River in central Europe
9. Tussauds' honorific
10. Spherical shape
11. Hyde Park stroller
12. Viscount's superior
13. Turns silver to gold?
14. Former French colony
15. Succotash ingredients
16. Possessing wisdom
17. "... Women __ From Venus"
18. Prefix for profit or dairy
19. Skin-and-bones sort
20. Siouan Indian
21. Negative votes
22. Damon of "Saving

Private Ryan"
35. Labor Dept. section
40. Britain, to Caesar
41. Sign of the zodiac
42. Carved shoe
45. Before, poetically
48. Boat race
50. Tennis great Gibson
54. Upturned, as a box
55. Portends
56. Vigilant
57. Branch headquarters?
58. Twerp
59. It can move stars
60. Fishy capacity measure
62. Immature parasites
65. Dinosaur's start
66. Brazilian city

Chapter 4: Logic Puzzles 219


## Puzzle 182

## 220 Partll: Get

## Across

1. Insane
2. Pipsqueak
3. Macho guy
4. Steak partner
5. Uncannily spooky
6. Dodge, as a question
7. Brigitte, for one
8. Inflexibility
9. Prepared potatoes, in a way
10. Hanks comedy
11. From the top
12. Command to a guest
13. NRC predecessor
14. The worse for wear, e.g.
15. Fundraising event, sometimes
16. Kraits' kin
17. Object of a quest
18. Massenet heroine
19. One of a Freudian trio
20. " $\qquad$ Joe's"
21. Without getting results
22. Untouchable name
23. Baltic or Fifth
24. It may be taken up
25. Color to paint the town
26. Bro's foe, at times
27. '60s coloring method
28. 19th-century trade route
29. Woody Allen film
30. He lost to Dwight
31. "My Name is Asher $\qquad$
32. Without delay
33. Actress Della
34. Wallach or Lilly
35. Rubbernecks
36. They provide prayer support
37. Gridiron divs.

## Down

1. "__ tear has to fall"
2. Hard to get close to
3. Voice a formal objection
4. Mother of Calcutta
5. Dumbbell, e.g.
6. Therefore
7. Prison-movie event, perhaps
8. Salon specialties
9. Birthright
10. "Beyond Good and $\qquad$ " (Nietzsche)
11. PC alternative
12. Suffix with lemon or lime
13. Homer's neighbor
14. Part of KJV
15. Subject to a draft
" 27. Irish and Welsh, e.g.
16. "... __ worse than death"
17. Sewing machine innovator Howe
18. "Take $\qquad$ Train" (Duke Ellington)
19. Bear and Berra
20. More candid
21. Fragrant oil
22. What push comes to
23. Having divisions, as a window
24. Laze about
25. Some links
26. Streak, as in marble
27. Order to relax
28. Washington and Lincoln, e.g.
29. Devoid of any disguise
30. Windy City politician
31. Relinquish, as control
32. Hip swinger of note
33. Kind of bay
34. Oil port
35. Head for the hills
36. Half of a stitch
37. Air quality overseer (Abbr.)
38. Order companion

Chapter 4: Logic Puzzles 221


## Puzzle 183

## 222

 Part II: Getting a Complete Puzzle Workout
## Across

1. Did a thespian's job
2. "You've Got a Friend $\qquad$ "
3. Degs. for some execs
4. Fore or after attachment
5. Type of miss
6. Jocular Johnson
7. Having a high pH , e.g.
8. Rush hour, to radio stations
9. When a new day begins
10. Pigskin's perch
11. Something to bend on a human
12. Type of lab
13. ".. $\qquad$ of thee"
14. Kathmandu-to-Calcutta dir.
15. Arcade pioneer
16. Future litigators' exams
17. Ukr., once
18. Burning result
19. Partner of odds
20. Phantasmagoric
21. Petroleum gp.
22. Nero's noon
23. Brazilian city, for short
24. English philosopher John
25. Presented, as a problem
26. Unannounced, as a quiz
27. Old hoops org.
28. It may be blown
29. Runner Sebastian
30. Marienbad, for one
31. Hero's sine qua non
32. Translator, of sorts
33. Frequently visited place
34. Soprano's solo, sometimes
35. Fancy fabric
36. Pandemonium's lack
37. Track tourney
38. Tend to the batter, in a way
39. "Cheers" character

## Down

1. Some baseball stats
2. Abrades
3. Finals taker
4. Pennsylvania city
5. Iron?
6. Mrs. Gandhi
7. Geek
8. It can be filling
9. Senator of Watergate fame
10. It has its pluses and minuses
11. Former province of France
12. Place for a money order?
13. "Comprende?"
14. Same, along the Seine
15. Mathematical array
16. "Why, $\qquad$ be a pleasure!"
17. Steam train sound
18. Two-to-one, e.g.
19. Zaire's Mobutu Sese $\qquad$
20. Kind of bay
21. Concerning this, in legalese
22. Dessert choice, perhaps
23. Bit playfully, as a puppy
24. Circus attraction
25. Pay follower
26. Numbered compartment in a U.S. post office, briefly
27. Raison d' $\qquad$
28. One who puts up points
29. Prefix meaning "false"
30. Started the bidding
31. Trifling
32. Egg shapes
33. Latin I verb
34. Big rig
35. Starchy tuber
36. Fugitive's flight
37. Fury

Chapter 4: Logic Puzzles 223


## Puzzle 184

## 224 Part II: Getting a Complete Puzzle Workout

## Across

1. Bank statement abbr.
2. Without $\qquad$ in the world
3. $\qquad$ facto
4. Where to wallow
5. Loafers' lack
6. Actress Talbot or Naldi
7. Unconventional sort
8. "Saturday Night Live" segment, e.g.
9. "Queen of Country"
10. Some Consumer

Reports employees
23. What "I love" in an Irving Berlin song
24. Where Swansea is
25. Dr. of rap
26. Habitual troublemaker
29. College choice
32. "No mas" boxer
33. One billion years, in geology
34. Russia's $\qquad$ Mountains
35. Psychic letters hidden in the theme words
36. Poi need
37. Word with ball or shoe
38. Maryland and Montana, in France
40. "Land $\qquad$ alive!"
41. Superbowl XL team
43. I, abroad
44. Clean fish, in a way
45. Paradigms of sluggishness
48. Horrify
50. Set forth
52. Churlish one
53. Sponsor's spiel
55. Make a break for it
56. Facility west of Schiller Park
57. Gillette razor product
58. Sommer of "The

Treasure Seekers"
59. Timberlake's boy band
60. Desideratum

## Down

1. Like most radios
2. On or about
3. Eddie Haskell, to Beaver
4. Young star, perhaps
5. Type of skiing
6. Capital near Alexandria
7. 160 square rods
8. Portuguese king
9. "CHiPs" star
10. Moving to the rhythm
11. One place to get a Rocky Mountain high
12. Con's home
13. Mare fare
14. A Beatle
15. Hale of "Gilligan's Island"
16. Bends out of shape
17. Some museum exhibits
18. Knowledge gained through anecdote
19. Genesis son
20. Coffee holders
21. In $\qquad$ (going nowhere)
22. 11th U.S. president
23. "The Wreck of the Mary
$\qquad$
24. Papeete resident
25. Ben-Gurion Airport carrier
26. Tattles
27. Line of cliffs
28. Card game for two
29. Shortly, conversationally
30. Cruiser's rear
31. Singer Lenya or Lehmann
32. Ecuadorian money, once
33. French priest's title
34. Summer hangout, perhaps
35. Kill or put in stitches
36. Jones of jazz
37. Contented sighs

Chapter 4: Logic Puzzles 225

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 | 9 |  | 10 | 11 | 12 | 13 |
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## Puzzle 185

## 226

 Part II: Getting a Complete Puzzle WorkoutAcross

1. Clothing accessories?
2. Cluster of feathers
3. Readies for surgery
4. Roller coaster cry
5. Manipulative one
6. Saudi Arabian money
7. Beatles classic
8. Phantom's passion
9. Back muscle, briefly
10. Closes in on
11. Having a sharp flavor
12. Carol opening
13. Vandalize
14. Unwelcome engine sounds
15. Do-to-do interval
16. Completely out of order
17. Request for repetition
18. Ball belle
19. Dramatic device
20. It's "positively" hidden four times in this puzzle
21. $\qquad$ ear and out the other
22. Half of a square
23. $\qquad$ B'rith
24. Type of situation
25. "Star Trek" trip
26. J.F.K. relative
27. White-plumed bird
28. Word with wrong or prime
29. Discombobulated
30. Old sleep aid?
31. It's inn stock
32. Lustrous fabric
33. Ensign's answer, perhaps
34. "This is only __!"
35. Deserved a ticket
36. Part of Caesar's question
37. Hair curlers
38. Sniggler's haul
39. On the ball

## Down

1. Theatrical Tharp
2. Winning
3. P.C. Wren's Beau
4. Rigidify
5. Soup holder
6. They may ask, "Where's the beef?"
7. Phobia
8. Surreptitious meeting
9. A prescription drug
10. Most likely to fall from a tree
11. Cosmetic coloring
12. Hair line
13. Leave helpless with laughter
14. Some real thing
15. Created a Web site?
16. Fall into decay
17. Actress lover of Charles II
18. One way to gather wool
19. Start of a Latin boast
20. Bacheller's Holden
21. Ukraine's capital
22. The younger Guthrie
23. Suit material, perhaps
24. "No way!" to a teen
25. Pulled hamstring, e.g.
26. Average
27. Quilting follower
28. Type of discrimination
29. Endowments for the arts
30. Manipulates muscles
31. Make fun of
32. Make a temporary stitch
33. Upper crust
34. Summer showing, often
35. "Immediately, if not sooner" letters
36. Museum that's called a gallery
37. Font makeup
38. It might be said to a dog
39. It might be said to a mouse

Chapter 4: Logic Puzzles 227


## Puzzle 186

## 228

 Part II: Getting a Complete Puzzle Workout
## Across

1. Reprimand (with "out")
2. Bundle
3. Scoop contents
4. Nautical direction
5. Oktoberfest dance
6. Dear companion?
7. Bogart or Presley flick
8. Gambling, e.g.
9. Med. readout
10. Hatcher of "Desperate Housewives"
11. The Sorbonne and those like it
12. Stew
13. Hunky-dory
14. Hitch
15. They can be broken into bits
16. Water nymph, in mythology
17. Unusual shoe width
18. Kind of cloth
19. Actress Parker $\qquad$
20. "The Sweetest Taboo" singer
21. Positive reply from Popeye
22. Emerald, essentially
23. Positioned
24. It involves much giving and taking
25. ".. $\qquad$ nation under God ..."
26. Motion detector, e.g.
27. More expensive
28. Fr. miss
29. "__Sera, Sera"
30. Carry on
31. What adulterers do
32. "Verrrrry interesting" comedian Johnson
33. King of the long ball
34. Like some lingerie
35. Ran, as dyes
36. With $\qquad$ in sight
37. Suit to $\qquad$

## Down

1. Prepares beans, in a way
2. Homologous
3. Pie piece
4. Stage
5. Iron-recycling organ
6. Old and gray
7. Pre-college, to American textbook publishers
8. Wanted poster abbr., perhaps
9. Type of basketball shot
10. Call forth
11. First name among moonwalkers
12. Address forthrightly
13. They're found in pockets and seams
14. Dumas swashbuckler
15. Heavy string
16. Treasury agents
17. Campbell's competitor
18. Course that doesn't require much studying
19. Output
20. Undiluted, as liquor
21. Turn over
22. Mind
23. Ho-hum
24. Fluctuate repeatedly
25. Wedding cake part
26. The perennial perennial youth
27. Omen
28. Nota $\qquad$
29. Villainous expression
30. Put in alphabetical order, e.g.
31. Santa Catalina or Coney
32. Sit on one's heels
33. Gold unit
34. Cover the gray again
35. Colorless
36. Rank below marquess
37. Go in on a hand
38. Lunar plain
39. City on the Rhône
40. Philosopher $\qquad$ Tzu

Chapter 4: Logic Puzzles 229

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 | 9 |  | 10 | 11 | 12 | 13 |
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## Puzzle 187

## 230

 Part II: Getting a Complete Puzzle Workout
## Across

1. Northern Norwegian, historically speaking
2. Cement ingredient
3. Bills
4. Prima donna performances
5. Object of veneration
6. Inactive
7. Scotland Yard yard?
8. Cold War weapon
9. Masseur's offering
10. Panama pronoun
11. Final stage
12. Crones
13. Fixed payments, as for students
14. Many a GI
15. Dueler's choice
16. Kind of treatment
17. Israeli flier
18. Way out West, once
19. "Ben-Hur" setting
20. Atty. group
21. Algonquian tribe
22. Economic elite
23. Kind of quarter
24. Corp. ladder topper
25. Goad
26. It holds fortified swine?
27. Where drinks come at a price
28. Spinnaker support
29. Well-chosen
30. Site of the Tell legend
31. Cattle place in the boonies
32. One between second and third
33. River through Hades
34. Ike's partner, once
35. Biblical author
36. Spots for 18-Across
37. Paradise lost
38. Some sandwich breads
39. Without a mixer

## Down

1. Creche figure
2. Tiler's calculation
3. Begin a night in the woods, perhaps
4. Coat for the slopes
5. Appendage
6. First name in despots
7. Painter of water lilies
8. Hard to get
9. Dead heat
10. Jingle writers
11. Rather dull
12. Transports
13. Suit fabric
14. Subject
15. FedEx rival
16. Saltwater catch
17. Noteworthy period of history
18. Llama land
19. Box-office bomb
20. Latin shortcut
21. Real sucker
22. Utter breathlessly
23. Alexander the Great's teacher
24. Dollar portion
25. "Algiers" actress

Lamarr
43. Refute
44. Less couth
45. Sport for heavyweights
49. R\&B singer Lou
51. Social position
52. Plant louse
53. Item used in curling
54. Posh
56. Mug for a chug
59. Bus. Degree holders
60. "Slow down!"
61. Place for a clutch
63. Campaigned
64. Miner's bonanza

Chapter 4: Logic Puzzles 231


## Puzzle 188

232 Part II: Getting a Complete Puzzle Workout

Across

1. Like some decisions
2. It has its reservations
3. Gardener's need
4. Formerly faddish doll
5. Kind of house or glasses
6. Leigh Hunt's "__ Ben Adhem"
7. Ampule kin
8. Experienced know-it-all
9. Loud and discordant
10. Consummate
11. Purposely stay just out of reach, e.g.
12. Holiday season
13. Involuntary muscle contraction
14. KFC side dish
15. On pins and needles
16. Kind of top
17. Sea eagle
18. Koran chapter
19. Galena or cinnabar, e.g.
20. Comforts
21. Word in a Debussy title
22. "The Nazarene" author Sholem
23. "And the earth $\qquad$ without form"
24. Poked fun at
25. Feel affection for
26. Support in shenanigans
27. Performs "Stairway to Heaven," e.g.
28. Plant appendages
29. "Island of the Blue Dolphins" author
30. Wing-shaped
31. Some comics
32. Numbskull
33. Shade of hosiery
34. $\qquad$ Domini
35. Monte $\qquad$ (Monaco principality)
36. Bypass
37. Coral habitat
38. Gather for oneself
39. Certain NCO

## Down

1. Guns it
2. Reached the tarmac
3. Wisenheimer
4. Most sacred
5. Elias and Gordie
6. Expounds upon
7. Word with litmus or acid
8. Literary "before"
9. It's spoken in Vientiane
10. They're placed on horses
11. Philharmonic instrument
12. 29th state
13. Calm by deception, perhaps
14. Bit of truth decay
15. Women, to hard-boiled detectives
16. DEA agent
17. Man or woman with a title?
18. Stretch of shallow water
19. Zoroastrian living in India
20. Break it and you may be out on the street
21. Not the brightest people
22. Unintelligible writing to me
23. Bolt units
24. Martin's TV sidekick
25. Hands-on classes
26. Wailing warning
27. Known
28. Most daring
29. Utterly destroys, as an automobile
30. Penultimate letter
31. Wainscots (Var.)
32. Purim's month
33. Clair de $\qquad$
34. Bancroft or Boleyn
35. Title word in a Doris Day song
36. Stuffed shirt
37. Apartment building employee (Abbr.)
38. TV producer?
39. Type of sandwich

## Chapter 4: Logic Puzzles 233



## Puzzle 189

## 234 Part II: Getting a Complete Puzzle Workout

## Across

1. Interstate hauler
2. Calcutta misters
3. Coffee preference
4. Clay clump, e.g.
5. Cistercian or Trappist
6. End of "the end of"
7. Tenacious bug?
8. "How sexy!"
9. Phrase of distress
10. Certain compass pt.
11. Disappoint
12. Curious bug?
13. Open-air rooms
14. Pro $\qquad$
15. Nastase of the courts
16. Beehive, for one
17. Skirmish
18. Hannibal's challenge
19. Jazzman's lick
20. Sun features
21. Comical bug?
22. Schedules
23. Razor-billed bird
24. Square-dance step or call
25. Complain
26. Squirm-producing bugs?
27. Evening wrap
28. Canine from Kansas
29. Desiccated
30. Aspirations
31. __ Mawr
32. Lazy Susan, essentially

Down

1. Offspring
2. Pop's John
3. Dayan of Israel
4. Pastoral poem
5. Happy face icon
6. Kind of cuff
7. Playable serves
8. Where stars shine
9. Nymph loved by Apollo
10. Wife of Geraint
11. Hand over
12. Environs
13. Jamie of " $\mathrm{M}^{*} \mathrm{~A}^{*} \mathrm{~S}^{*} \mathrm{H}$ "
14. Troubadour's offering
15. "Who cares?"
16. Some forensic evidence
17. Mel of baseball
18. Before the rest
19. Thin and weak
20. To boot
21. Happy tune
22. Wine sediment
23. Melville captain
24. Imaginary narrative
25. Ready for the pickin'
26. The Beaver State
27. Exhausts, as a supply
28. "When Will ___ Loved" (Everly Brothers)
29. Groupie
30. On edge
31. Word on some doors
32. "The Far Side"
cartoonist
33. "Li'l" one of comics
34. Extreme
35. "Sometimes a Great

Notion" author
53. SOUPCON
54. Having knowledge of
55. Telegram punctuation word
56. Any of the Antilles
58. Boom support
60. Gamblers' option, briefly
61. Negative link

## Chapter 4: Logic Puzzles 235

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 |  | 9 | 10 | 11 | 12 | 13 |
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## Puzzle 190

## 236 Part II: Getting a Complete Puzzle Workout

Across

1. Infamous Colombian city
2. Hogwash
3. "Lou Grant" star
4. Islands off Ireland
5. Untraceable author, for short
6. Oak-tree-to-be
7. "Dead __" (Francis book)
8. Become prominent
9. The in things
10. Hangover remedy
11. Retirement home residents (with "the")
12. Director Bergman
13. Weekly stipend, e.g.
14. Colonial insect
15. Not missing any marbles
16. Impassive
17. Deplume, in a way
18. Passing word?
19. Politically moderate
20. When the French fry?
21. Island known for immigration
22. Towel material
23. Utah ski resort
24. "To Kill a Mockingbird" author
25. It's loaded with cash
26. Job-hunter's offering
27. Asserts without proof
28. Just average
29. Workers, as opposed to management
30. Painter of melting watches
31. Statue's bottom
32. John who wrote "Butterfield 8"
33. Poet Khayyam
34. Arthurian maid
35. Well-worn
36. Musical silence

67 . Some numbered rds.

## Down

1. Hidden supply
2. "He's __ nowhere man ..." (Beatles)
3. Web-footed aquatic bird
4. Daring
5. Sot
6. Oneness
7. Fridge raider's quest, perhaps
8. Dummy's seat
9. Brother of Moses
10. Rocker Boz
11. Eggy drink
12. Before, in an old syllable
13. IV givers
14. Delphi figure
15. You can dig it
16. "Key to the city" presenter 26 . Words with bend or lend
17. Prepared
18. Oscar-nominated song of 1966
19. Some party snacks
20. Apply jam
21. Appellation
22. "Golden Boy" playwright
23. Amundsen's quest
24. It may let off steam
25. Actress Burstyn
26. Show appreciation to
27. Goddess of the dawn
28. Touted trumpeter
29. Diego Rivera work
30. Hammond product
31. Jack's adversary
32. "__ Venner" (Oliver Wendell Holmes novel)
33. Seasonal transports
34. Nose-wrinkling stimulus
35. Renown
36. Arced toss
37. "Eureka!"
38. Blackball

## Chapter 4: Logic Puzzles 237

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |  | 9 | 10 | 11 | 12 | 13 |  |
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| 44 |  |  | 45 |  | 46 |  |  |  | 47 |  |  |  |  |  |

## Puzzle 191

## 238 Part II: Getting a Complete Puzzle Workout

## Across

1. In this manner
2. Exclusive group of people
3. Lot measurement
4. Harangue
5. Paris fighter
6. Type of tide
7. Yachting to Hawaii, e.g.
8. British pokeys
9. Bull's-eye piercer
10. Classic children's book
11. Electrical pioneer Nikola
12. Theme pronoun
13. Some fasteners
14. Do a slow burn
15. Smeltery input
16. Theme pronoun
17. "Lord, is __?" (Last

Supper question)
34. Unedited, as data
35. Mia Farrow classic
40. Slangy name for a stranger
41. Absorbed, as a loss
42. That's a moray!
43. Eldritch
46. Pestilent fly
49. Royal name
50. Fab attachment
52. Emulate Pac-Man
54. Streep classic
57. Put down, as tiles
59. Sharp
60. Fertilizer ingredient
61. Instrument made from

African blackwood, often
62. Like some surgery
63. Circus performer
64. Without
65. Company vehicles, collectively
66. Amoco rival

## Down

1. Open land
2. Corned beef dishes
3. Misgiving
4. Like an overcast night
5. Consequently
6. Hate with a passion
7. Act without restraint
8. Rapidity
9. Decide with a coin
10. Type of condor
11. Use a sponge twice, e.g.
12. Auditory apparatus
13. Qualified
14. Motorized shop tool
15. Journalist's question
16. Say the Paternoster
17. Create seams, e.g.
18. Defender of Castle Grayskull
19. Hemingway title word
20. Anger
21. Member of Rampur royalty
22. Wedding or birthday,
e.g.
23. Irregular
24. Type of tree by the ocean?
25. Despite the fact that
26. Kind of pie
27. Positive electrodes, perhaps
28. Siesta
29. Student, at times
30. Evening event
31. Sports banquet hosts, e.g.
32. Get repeated value from
33. High points
34. Football game segment
35. Popular breath mint
36. $\qquad$ Alamos
37. Camel hair fabric

Chapter 4: Logic Puzzles 239

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |  | 10 | 11 | 12 | 13 |  |
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Puzzle 192

## 240

 Part II: Getting a Complete Puzzle WorkoutAcross

1. Divulge a secret
2. Sainted mother of

Constantine
11. Roll of dough?
14. Mythical mischief-maker
15. Not involving questions of right or wrong
16. Cheer for a toreador
17. Sheep genus
18. Picture book?
19. Pool table success
20. Creepy crawler
22. Card game for a sot?
24. Thorny bunch
25. Singer Ives
26. Stonecutter
29. Some medical buildings
32. Stamp-making org.
33. Sharp emotional attacks
36. Pulitzer-winning Akins
37. Enjoy Aspen, perhaps
38. Pythagorean proposition
39. Legal org.
40. Jack and Bobby's brother
41. Spoke from the soapbox
42. Limo destination, sometimes
43. Knitted garment
45. In a wild and crazy way
46. Ceremony
47. Some hotel amenities
50. "Filthy" money
52. Creepy creature
56. Commit a faux pas, perhaps
57. Bookworm
59. Dashing style
60. Nabokov novel
61. Elegant fur
62. Apartment, e.g.
63. Pencil stump, e.g.
64. Treats a broken bone
65. Rajah's mate

## Down

1. Group voting the same way
2. All-conquering thing
3. Related (to)
4. Informal cafes
5. Hinged fasteners
6. Host a show
7. Noblemen
8. Toledo's body of water
9. Preschooler's dread
10. Selflessness
11. Creepy crawler
12. Certain astringent
13. Contradict
14. Electron-deficient atom, perhaps
15. Keats praised one
16. Run, as ink
17. Essential items
18. Lopsided
19. Creepy sidler
20. Heart
21. Computer-programming language
22. Disreputable
23. Number of storied bears
24. Listen and pay attention
25. Decay
26. One with an unsteady gait
27. French chemist and vaccine developer
28. Radial fill
29. Chess units
30. Hawkins of Dogpatch
31. Contraction between looks and everything 49. Kramden's collections
32. Supermarket meat label, perhaps
33. Language of Pakistan
34. Scottish caps
35. Arm bone
36. Past participle of lie
37. Prefix for bodies
38. Before, in poesy

Chapter 4: Logic Puzzles 241


Puzzle 193

## 242 Part II: Getting a Complete Puzzle Workout

Across

1. Doesn't keep up
2. Positive attitude
3. "Of $\qquad$ are you speaking?"
4. Southwest crockpot
5. Clownish act
6. Council Bluffs is there
7. Takes a sharp turn
8. Estimated time of arrival
9. Large serving bowls
10. Free pass, in sports
11. Brimless cap
12. Answer to a charge
13. Hemingway title word
14. Follower of the Gospels
15. Seeks entry, in a way (with 43-Across)
16. Napoleon III, to Napoleon I
17. Start of Mr. Rogers' song
18. Trailblazer
19. Linguistic suffix
20. Nervy?
21. See 32-Across
22. It might need surgery
23. Atty. $\qquad$
24. Stone made of hydrated silica
25. Peer among peers
26. Linen liturgical vestment
27. Changed to suit
28. Up to now
29. Orbits
30. Give off
31. Split land
32. First name in mysteries
33. Some four-footed mothers
34. Golf great Sam
35. Exploit

## Down

1. Almighty one
2. Moises of baseball
3. Filler for some guns
4. Common balloon ballast
5. Socioeconomic class
6. Kick in for a hand
7. Utmost degree
8. Ate sparingly
9. Come about
10. Intercept a conversation, in a way
11. Cutting edge creator
12. "The Virginian" author Wister
13. Setting for many sci-fi films
14. What light indicates
15. It may be picked
16. Kitchen gizmo
17. Form request, sometimes
18. Metric unit of capacity, stateside
19. Follow logically
20. "Well, well, well!"
21. Nestling's cry
22. Magnetic unit
23. Crestless wave
24. Evian attraction
25. Up to, colloquially
26. Paleo- opposite
27. Show fallibility
28. One billion years, in geology
29. Culls
30. It needs to be pushed to get started
31. Certain relative
32. Result of a Google search
33. Malodors
34. In front
35. Carry with effort
36. Made a hole in one
37. South American capital
38. Not a full cut
39. Duke Ellington's "Take Train"
40. Fairway warning
41. Up to the task
42. Cattail, e.g.
43. Three, in Napoli

Chapter 4: Logic Puzzles $\mathbf{2 4 3}$


## Puzzle 194

## 244 Part II: Getting a Complete Puzzle Workout

## Across

1. First part of a Florida city
2. First place of habitation
3. Valerie Harper series
4. $\qquad$ elephant (part of a tot's lesson)
5. Western postwar alliance
6. Invisible emanations
7. Start of a quip
8. Solder or soldier material
9. Riles
10. Lose
11. Word with pick or pack
12. Right-turn command
13. Directions word
14. Quip (Part 2)
15. Shaker $\qquad$ , OH
16. Indeterminate number
17. Taj Mahal's locale
18. Husbands and wives
19. Steak go-with
20. Nebraska natives
21. Over again
22. Punching tool
23. Hospital lines
24. Quip (Part 3)
25. Shrewdly tricky
26. "__ So Fine" (The

Chiffons)
52. Hagen of Broadway
53. Sightlessness
57. "Gone With the Wind" estate
58. Fiddle stick?
59. End of the quip
62. Having to do with bees
63. Huck's transport
64. Vogue competitor
65. Takes ten
66. Gaelic tongue
67. Welfare state?

## Down

1. Michael Jackson hit
2. Kind of pool or park
3. Optometrist's concern
4. Indonesian islands
5. Menu heading
6. Less lit
7. Pilots' approximations, briefly
8. "Ripley's Believe It or
$\qquad$
9. Michelin introduced it in 1946
10. Close-mouthed singing
11. Like some vaccines
12. Kind of bank or base
13. Like a fireplace floor
14. Something to take in
15. Post of propriety
16. Transport for Tarzan
17. Like caramel
18. Half of a Washington city
19. Unkind nickname for a corpulent man
20. Teamwork spoiler
21. Poet's preposition
22. $\qquad$ Palmas
23. Longtime Chinese leader
24. Raggedy doll
25. Business-card abbr.
26. Off-kilter
27. Egg container
28. One of the black keys
29. Sound like a broken record
30. People with the most people 46. Shucks
31. Marriageable
32. Actor Peter of "The Lion in Winter"
33. Kowtowed
34. Slightly open
35. Casual dissent
36. Some sashes
37. Exam for jrs., in the U.S.
38. Peter the Great, e.g.
39. Vexation
40. Half a score

Chapter 4: Logic Puzzles 245

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 |  | 9 | 10 | 11 | 12 | 13 |
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| 53 | 54 | 55 | 56 |  |  |  | 57 |  |  |  |  | 58 |  |  |
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| 62 |  |  |  |  |  | 63 |  |  |  |  | 64 |  |  |  |
| 65 |  |  |  |  |  | 66 |  |  |  |  | 67 |  |  |  |

## Puzzle 195

## 246 Part II: Getting a Complete Puzzle Workout

Across

1. Pelican protrusion
2. Use a sickle
3. Prefix with red or structure
4. A rhyme scheme
5. First name in courtroom fiction
6. Take it easy
7. Familiar sign
8. Part of an old English Christmas feast
9. Up
10. Figure from a popular nursery rhyme
11. East or west leadin
12. Behind (with "of")
13. Model's asset
14. Surrealist Salvador
15. They have a glow about them
16. American humane org.
17. Adversity
18. "Do I ___ second?"
19. D.D.E., informally
20. Haughty one
21. Lottery winner's locale?
22. Scary sound for a balloonist
23. Spread the gospel
24. Brit. medals
25. Villains do it, typically
26. Brings about
27. Unwelcome fruit part, perhaps
28. Tenacious one
29. Eyes
30. Some intestinal divisions
31. Building location
32. "M*A*S*H" extra
33. Approach
34. Social suffixes
35. Eyelid swellings
36. Match makers
37. Conde $\qquad$

## Down

1. Some opera voices
2. Skip the restaurant
3. 1945's "Little Boy," for short
4. Phi Beta $\qquad$
5 . Noted mother of twins
5. Greek cupid
6. Jai $\qquad$
7. Lasting dos
8. Modern Persians
9. Novel
10. Dances accompanied with guitar music
11. Turkish liqueur
12. Terminated ruthlessly
13. Type of PC screen
14. Siberia's second largest city
15. Detroit gridders
16. Spot for an ocelot
17. Annoyed
18. Some ring stats
19. The Concordes, initially
20. Almanzo's dog
21. Brandy flavor
22. Business school topic
23. Indo-European
24. Poor grades
25. They make do without
26. "The Cosby Show" character
27. What AAA contractors do, often
28. Good sign for scalpers
29. Archaeologist's find, perhaps
30. Dye used as a toner
31. Guard dog breed
32. They fly and have tails
33. Look at, in the Bible
34. Short dogs, for short
35. "New Jack City" actor
36. Type of club
37. Radiator output
38. Tell a tall tale

Chapter 4: Logic Puzzles $\mathbf{2 4 7}$

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 |  | 9 | 10 | 11 | 12 | 13 |
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## Puzzle 196

## 248 Part II: Getting a Complete Puzzle Workout

## Across

1. Obeys the green light
2. Dummkopfs
3. Charitable offerings
4. First name in a Tolstoy novel
5. Unwelcome kitchen visitor
6. Partiality
7. July 4th entree, perhaps
8. Farm insects
9. Prayer
10. Front-runner
11. Copy machine need
12. Expression of displeasure
13. Hunky-dory
14. Tots give them to get attention
15. Just one of those things?
16. Cum laude modifier
17. Road shape
18. Medium pace
19. Timberland
20. July 4th beverage, perhaps
21. More than whimper
22. Wilderness rarity
23. Snowball of literature
24. Variety of salts
25. Saucy
26. Train-sound syllable
27. Flow stopper
28. Chipmunk snack
29. Wonder Woman alias
30. Trade diplomat
31. Sight in the west
32. Be revolting?
33. July 4th dressing, perhaps
34. Singer Redding
35. Central artery
36. Pointing devices
37. Revolutionary computer game
38. San Francisco player, briefly
39. Years in Madrid

## Down

1. Inquisition collar (Var.)
2. Burdensome
3. Many have twists
4. Disrespects verbally
5. Like some cereal
6. Alley-
7. Atomize
8. Yellow and black cat
9. Shakespearean title character
10. In $\qquad$ way (suffering)
11. Family tree
12. Dowagers
13. Bacon sound
14. Neither companion
15. Prunus dulcis fruit
16. Liquor serving, perhaps

25 . One at a wedding reception
27. Krazy of the comics
29. Cream was one
31. Common verb
33. Wendy's pitchman, once
34. Royal decree
35. Reporter's question, often
36. Threadbare
37. You may make it in the morning
38. Lack of transparency
39. Effortless learning procedure
41. Introduce gradually
42. "Rhinoceros" playwright Eugene
43. Chin beards trimmed into a point
45. Hoi follower
46. Movie house
49. Castro, for one
50. "Well, that's completely obvious!"
52. Where worms may be served
53. An unwanted lasting impression
54. CD-
56. Keats subject
57. Summer, to a

Frenchman

Chapter 4: Logic Puzzles
249


Puzzle 197

## $\Omega A c r o s s$

1. Portoferraio's locale
2. Dish for Twist
3. Tumultuous sitdown
4. Jerusalem Mount
5. Roomy size
6. Tear asunder
7. Words with "here I come"
8. Often used Latin abbreviation
9. Severely simple
10. Reflexive pronoun
11. Horse course
12. Odorize by burning
13. Cake feature
14. Piper's due
15. Spot for shots
16. Low in fat
17. Approximately
18. Eruption fallout
19. They're hot south of the border
20. Move aimlessly
21. "Last chance!"
22. Acronymic computer truism
23. It may be light or grand
24. Back muscle, to weightlifters
25. They sometimes accompany ejections
26. Respond to, as information
27. Salvador, El
Salvador
28. Brunei's island
29. Priest's simple ceremony
30. On tenterhooks
31. When to call me?
32. Editor's option
33. Certain Alaskan
34. First of 13 popes
35. Sniggler's haul
36. "The Winding Stair" poet
37. Masher's look

## Down

1. Book of the Bible
2. In $\qquad$ of
3. Parts of Phyllis Diller's wardrobe
4. Words with now
5. Denzel Washington film
6. Infrequent
7. Caterer's vessel
8. Psyche division
9. Admit
10. Find a buyer
beforehand
11. A type of beer
12. Shape of the old pigskin
13. Filthy lucre
14. Orbital period
15. Ivan and Peter
16. Camel string
17. Shoelace place
18. Steppe sister?
19. Fable composer
20. A name for the God of the Old Testament
21. Grapefruit relative
22. Initiate
23. English teacher's concern
24. It was opened before Windows
25. Homo sapiens
26. "... __ t the fields we go"
27. Use caller ID
28. They are often juggled
29. Saloon
30. Act the sycophant (with "over")
31. It's here before tomorrow
32. Puts first things first
33. Beseeched
34. A type of arch
35. Paper-towel unit
36. Stumblebum
37. "The Morning Watch" author
38. Clog, e.g.
39. Prepare paint
40. Adult beverage
41. A vote for

Chapter 4: Logic Puzzles 251


## Puzzle 198

## 252 Part II: Getting a Complete Puzzle Workout

## Across

1. Great time or great noise

6 . With the bow, musically
10. Where electrons orbit
14. Long-handled server
15. Closed circuit
16. Profligate
17. TV studio sign
18. Wagner work
20. Bizet work
22. Like TV's Gilligan
23. Acapulco
acknowledgements
24. Dine
26. Palindromic fictional twin
27. Waitress with Sam and Coach
29. Some luxurious fabrics
34. Washstand pitcher
37. Min. fractions
39. Columbus' birthplace
40. Puccini work, translated
43. Mindless
44. Culinary directive
45. Whispers sweet nothings
46. It's good for what ails you
48. Cream of the crop
50. 007's creator Fleming
52. Rocky hill
53. Word with sheet or session
56. Bad way to be caught
61. Strauss work
63. Verdi work
65. Unit of length for Noah
66. Medicinal plant
67. Put safely away
68. Steadily reduce, in a way
69. Stages
70. Eschew the mouse
71. Dissuade

## Down

1. Alliances
2. Kauai porch
3. Some Jewish months
4. $\qquad$ to none (long odds)
5. Mother of renown
6. Monopoly portion?
7. Suite section
8. Cagney role
9. Theme of this puzzle
10. Medea's getaway craft
11. Mountain lake
12. "Grapes of Wrath"
escapee
13. Repair
14. Minority
15. Certain hospital employee
16. Commoners in ancient Rome, informally
17. Construction-site sight
18. Extremely sharp or intense
19. Third canonical hour
20. Compressed data
21. $\qquad$ contendere
22. Verbalizes
23. Nabob of the Near East
24. Decrease gradually
25. Red-clad cheese
26. Clown's height enhancer
27. Situated toward the middle
28. Some musical groups
29. Most nimble
30. Made an outline
31. Like mesh
32. "Lost in Space" figure
33. Ammonia compound
34. Falk of "Columbo"
35. Europe and Asia boundary
36. World's longest river
37. In a state of eager anticipation
38. Afflictions and troubles
39. Desist
40. Tackle box item
41. Run up debt

Chapter 4: Logic Puzzles 253


## Puzzle 199

## 254 Part II: Getting a Complete Puzzle Workout

## Across

1. What a spy may write in
2. Soldier's lullaby
3. Handles hardship
4. A song for one
5. Cylinder you may see in the country
6. Persona's reverse
7. Burn slightly
8. Etc. relative
9. Thematic element
10. It stings
11. Natural smoke detector
12. Roar of a Spanish crowd
13. It may double your dough
14. Detective novelist Erle Stanley
15. "A Room With a View" novelist
16. Lendl or Reitman
17. Send sky-high
18. Seagoing vessel, in myth
19. Dear one of advice
20. Luau loop
21. Carnivorous birds
22. Piece of mine?
23. List type
24. It may wind up on a dock
25. City on the Ruhr
26. Expert, in slang
27. Some reed players
28. Official discharge
29. Fry lightly
30. In the past
31. Invigorates (with "up")
32. Like many a winter road
33. Like fresh lettuce
34. Burghoff's TV co-star
35. On a slow boat to

China, e.g.
68. Unearthly
69. Stir turbulently
70. Unit of pressure
71. Rudder's locale
72. Marquee
73. Ink's color, to

Shakespeare

## Down

1. Carry partner
2. Embossed snack
3. Journal theft? (goes both ways)
4. Sincere
5. Fly over the equator?
6. British islet
7. Word with game or pension
8. Male escorts working alone? (goes both ways)
9. Tourist's tote
10. Words of protest from Yoko?
11. Rock climber's spike
12. Rousseau work
13. Comparatively unthreatened
14. Faster's opposite?
15. Relish
16. Certain acrobatic bar?
(goes both ways)
17. Evidence type, briefly
18. Sensed
19. Stick in the fridge?
20. Abbr. in some directions
21. Head honchos weep?
(goes both ways)
22. "The Outcasts of Poker Flat" author Harte
23. Strong desires
24. What a question might do
25. Olympic site of 1988
26. Be in hock
27. Place firmly
28. Occur
29. Certain volcanic rock
30. Pennant chases
31. Fine-feathered specimen
32. River viewed from

Amboise
59. Blackthorn
61. White knight, stereotypically
62. "The one that got away," say
64. Poitier title role
66. Strident noise

Chapter 4: Logic Puzzles 255

| 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 |  | 9 | 10 | 11 | 12 | 13 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14 |  |  |  |  | 15 |  |  |  |  | 16 |  |  |  |  |
| 17 |  |  |  |  | 18 |  |  |  |  | 19 |  |  |  |  |
| 20 |  |  |  | 21 |  |  | 22 |  | 23 |  |  | 24 |  |  |
|  |  | 25 |  |  |  | 26 |  | 27 |  |  | 28 |  |  |  |
| 29 | 30 |  |  |  |  |  |  | 31 |  |  |  |  |  |  |
| 32 |  |  |  |  |  | 33 | 34 |  |  |  | 35 | 36 | 37 | 38 |
| 39 |  |  |  | 40 | 41 |  |  |  |  | 42 |  | 43 |  |  |
| 44 |  |  | 45 |  | 46 |  |  |  |  | 47 | 48 |  |  |  |
|  |  |  | 49 | 50 |  |  |  | 51 | 52 |  |  |  |  |  |
| 53 | 54 | 55 |  |  |  |  |  | 56 |  |  |  |  |  |  |
| 57 |  |  |  | 58 |  |  | 59 |  | 60 |  |  |  | 61 | 62 |
| 63 |  |  | 64 |  |  | 65 |  | 66 |  |  | 67 |  |  |  |
| 68 |  |  |  |  |  | 69 |  |  |  |  | 70 |  |  |  |
| 71 |  |  |  |  |  | 72 |  |  |  |  | 73 |  |  |  |

Puzzle 200

## 256 Part II: Getting a Complete Puzzle Workout

## Across

1. Damsel's plea
2. Baby's berth
3. Grimalkin, e.g.
4. Covert comments
5. German auto firm
6. Lord's Prayer opener
7. Presiding officer
8. Spooky sighting
9. Gwyneth's mom
10. Stock car feature
11. Row partner
12. Vast multitude
13. Noted groundhog's name
14. Scandal suffix
15. 20-year sleeper
16. Takes into one's family
17. One of a Freudian trio
18. Brolly alternatives
19. "Little Caesar" gangster
20. Gizmos
21. "You said it!" (in '60s slang)
22. Petty of "A League of Their Own"
23. Umps' counterparts
24. Unproductive bother
25. Coronary procedure
26. Legolas of Middle Earth, e.g.
27. Cherry handle
28. The third can shock you
29. Purchase for a 1950 s
home, perhaps
30. Went with
31. Approach to an article
32. The key for making change?
33. Part of Tina Turner's revue
34. Second-stringer
35. New prefix
36. Moldy cheese
37. Typesetting mistakes
38. Equivalent of 1,000 rin, once
39. British knights
40. Air lane

## Down

1. Yolk encloser
2. Eruption fallout
3. Itinerary word
4. Fit for consumption
5. First name among country crooners
6. Catch a glimpse of
7. Drive-in employees of old
8. Artifices
9. Terse vow
10. Pickle
11. One glued to the tube
12. Up on
13. Creatures of folklore
14. Deontology, e.g.
15. Memorable era
16. Like good burgundy
17. "Othello" evildoer
18. Informer
19. Tax on imports
20. Salad ingredient, sometimes
21. Aggressive remarks
22. Olympus Mons locale
23. Factotum, e.g.
24. Enjoy with gusto
25. Some English readings
26. City on Norton Sound
27. Get back to the task at hand
28. Smart as a whip
29. Ruth was one
30. Cooking wine
31. Word with tube or ear
32. "Downtown" singer
33. Eases off
34. Leaves dumbfounded
35. Ransom ___ Olds
36. Animal's gullet
37. Due date, briefly
38. Hope unit

Chapter 4: Logic Puzzles 257


Puzzle 201

## 258 Part II: Getting a Complete Puzzle Workout

## Across

1. Hardly modern
2. Cartoon supply company
3. Edicts
4. D-Day beach
5. Manifesto writer
6. "Scram!"
7. CAP
8. Many a former Yugoslavian
9. Editor's override
10. Carbon-14 determination
11. Dolphins' domain
12. Neophyte
13. TEE
14. Hosp. staffers
15. Perseveres
16. Best supporting actress for "Girl, Interrupted"
17. Some push-ups
18. Top layer?
19. SHORTS
20. Asian holiday
21. Mouth-related
22. Bears Hall of Famer

Mike
45. Raise
48. Immigrants' prep class, perhaps
49. SOCKS
53. Painter with a museum in St. Petersburg
57. "The Luck of Roaring Camp" writer
58. Nemo's harpoonist
59. It may come after life
60. Big name in 1970s
gymnastics
61. SNEAKS
64. Roman poet
65. Massage aids
66. Place for outdoor dining, perhaps
67. Mr. America's pride, perhaps
68. Jubilation
69. Candid

## Down

1. Awaken
2. Handed or headed start
3. Long candle
4. Pretentious speech
5. It may go for a dip in the ocean
6. South-of-the-border buddy
7. Caravan member
8. X-ray follow-up, perhaps
9. Phone no. addition
10. Help out
11. Low blow
12. The Velvet Fog
13. Film based on a Ferber novel
14. Falls behind
15. Common title
16. Thrash about
17. River under the

Brooklyn Bridge
28. Aquarium implement
30. Type of stream
31. "Bravo!" relative
32. Sluggish
33. Result of labor?
34. Color TV pioneer
36. "A mouse!"
37. Org. for U.S. cryptologists
39. Supreme leader?
40. They might be sq.
41. Tusked beast
46. Pieces of eight?
47. '50s campaign name
48. Vortex
49. Battle cry
50. Bisect
51. Approach to an article
52. Actress Witherspoon
54. Major blood supplier
55. "E pluribus unum," e.g.
56. Reassuring phrase
61. Gear tooth
62. Be indisposed
63. Sunscreen meas.

Chapter 4: Logic Puzzles 259

| 1 | 2 | 3 | 4 | 5 |  | 6 | 7 | 8 | 9 |  | 10 | 11 | 12 | 13 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 14 |  |  |  |  |  | 15 |  |  |  |  | 16 |  |  |  |
| 17 |  |  |  |  | 18 |  |  |  |  |  | 19 |  |  |  |
| 20 |  |  |  |  | 21 |  |  |  |  | 22 |  |  |  |  |
| 23 |  |  |  |  | 24 |  |  | 25 | 26 |  |  |  |  |  |

## Puzzle 202

## 260

Part II: Getting a Complete Puzzle Workout

## Sudoku Puzzles

Fill in the numbers 1 through 9 one time in each row, column, and $3-x-3$ box within the grid. See Chapter 3 for more information on Sudoku puzzles, especially the target (round) puzzles in the Treacherous section.

## Easy

|  |  |  |  | 3 | 6 |  | 9 | 5 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 3 |  |  | 9 |  | 4 |  | 7 |  |
|  | 9 | 7 |  |  |  |  |  |  |
|  | 3 | 1 | 6 |  |  |  |  |  |
|  |  |  | 2 |  | 1 |  |  |  |
|  |  |  |  |  | 9 | 5 | 4 |  |
|  |  |  |  |  |  | 2 | 5 |  |
|  | 1 |  | 4 |  | 7 |  |  | 8 |
| 4 | 6 |  | 5 | 9 |  |  |  |  |

## Puzzle 203

Chapter 4: Logic Puzzles 261

|  |  |  | 6 |  |  | 1 | 7 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 8 |  |  | 4 | 1 | 5 |  |  |
|  | 3 |  |  | 2 |  | 4 |  |  |
|  |  |  | 3 | 9 | 4 |  | 2 |  |
|  |  |  |  | 5 |  |  |  |  |
|  | 4 |  | 2 | 6 | 7 |  |  |  |
|  |  | 1 |  | 7 |  |  | 5 |  |
|  |  | 3 | 4 | 1 |  |  | 8 |  |
|  | 2 | 9 |  |  | 3 |  |  |  |

Puzzle 204

262 Part II: Getting a Complete Puzzle Workout

|  |  | 1 | 8 |  | 6 | 9 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 4 |  | 5 |  |  |  |  |  |  |
|  | 2 |  | 4 | 3 |  |  |  |  |
| 9 |  |  | 7 | 2 |  | 5 |  |  |
|  | 8 |  |  |  |  |  | 1 |  |
|  |  | 2 |  | 9 | 8 |  |  | 6 |
|  |  |  |  | 8 | 4 |  | 3 |  |
|  |  |  |  |  |  | 8 |  | 1 |
|  |  | 4 | 3 |  | 2 | 7 |  |  |

Puzzle 205

Chapter 4: Logic Puzzles 263

|  |  | 5 |  | 2 |  | 3 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 6 | 3 |  | 4 |  |  |  |  | 9 |
|  |  |  | 3 |  |  |  | 7 |  |
| 2 |  |  |  |  |  | 8 | 9 |  |
| 8 |  | 4 |  |  |  | 6 |  | 1 |
|  | 9 | 3 |  |  |  |  |  | 5 |
|  | 4 |  |  |  | 5 |  |  |  |
| 1 |  |  |  |  | 8 |  | 5 | 4 |
|  |  | 6 |  | 9 |  | 7 |  |  |

Puzzle 206

264 Part II: Getting a Complete Puzzle Workout

|  |  |  |  |  |  | 3 |  | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 7 |  | 2 |  | 4 |  |  |  |  |
| 1 | 6 |  | 9 |  | 3 |  |  | 5 |
|  |  |  |  |  | 5 | 6 | 4 | 2 |
|  |  |  |  |  |  |  |  |  |
| 9 | 8 | 5 | 2 |  |  |  |  |  |
| 2 |  |  | 6 |  | 1 |  | 5 | 8 |
|  |  |  |  | 2 |  | 7 |  | 6 |
| 6 |  | 7 |  |  |  |  |  |  |

Puzzle 207

Chapter 4: Puzzles 265


Puzzle 208

266 Part II: Getting a Complete Puzzle Workout

## Tricky

|  |  |  |  |  |  |  |  | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2 |  | 7 | 3 |  |  | 1 | 9 |  |
|  |  |  | 1 |  | 5 |  | 3 |  |
|  |  | 4 |  | 9 | 3 |  |  |  |
|  | 6 |  | 7 |  | 1 |  | 2 |  |
|  |  |  | 8 | 2 |  | 7 |  |  |
|  | 4 |  | 2 |  | 8 |  |  |  |
|  | 1 | 6 |  |  | 7 | 2 |  | 9 |
| 5 |  |  |  |  |  |  |  |  |

Puzzle 209

|  | 7 |  |  | 5 |  | 1 | 8 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 4 | 2 |  |  |  |  | 6 |
| 9 | 8 |  |  |  |  |  |  |  |
| 8 | 9 |  | 5 | 2 |  |  |  |  |
| 4 |  |  |  |  |  |  |  | 3 |
|  |  |  |  | 4 | 3 |  | 5 | 8 |
|  |  |  |  |  |  |  | 4 | 1 |
| 3 |  |  |  |  | 5 | 8 |  |  |
|  | 5 | 8 |  | 9 |  |  | 7 |  |

Puzzle 210

268 Part II: Getting a Complete Puzzle Workout

| 3 |  | 4 |  |  |  | 1 |  | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 6 |  | 9 |  | 3 |  | 2 |  |
|  |  |  |  |  |  |  |  |  |
|  |  | 6 | 8 |  | 2 | 7 |  |  |
| 5 | 2 |  |  |  |  |  | 1 | 6 |
|  |  | 1 | 3 |  | 5 | 9 |  |  |
|  |  |  |  |  |  |  |  |  |
|  | 3 |  | 7 |  | 1 |  | 5 |  |
| 6 |  | 7 |  |  |  | 2 |  | 3 |

Puzzle 211

Chapter 4: Puzzles 269


Puzzle 212

270 Part II: Getting a Complete Puzzle Workout

| 2 |  |  |  | 5 |  | 8 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 1 | 8 | 4 |  |  |  |  |  |
|  | 6 |  |  |  |  |  |  | 2 |
| 6 |  |  |  | 9 | 7 |  | 5 |  |
|  |  | 4 | 8 |  | 3 | 9 |  |  |
|  | 2 |  | 5 | 6 |  |  |  | 1 |
| 3 |  |  |  |  |  |  | 9 |  |
|  |  |  |  |  | 9 | 6 | 3 |  |
|  |  | 6 |  | 1 |  |  |  | 7 |

Puzzle 213

Chapter 4: Puzzles 271

| 7 | 8 |  | 4 |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 3 |  |  | 8 |  | 9 | 7 |  |
|  |  | 9 | 3 | 2 |  |  | 6 |  |
| 1 | 5 |  |  |  |  |  |  |  |
|  |  | 2 |  |  |  | 5 |  |  |
|  |  |  |  |  |  |  | 3 | 8 |
|  | 1 |  |  | 7 | 8 | 6 |  |  |
|  | 2 | 7 |  | 9 |  |  | 8 |  |
|  |  |  |  |  | 4 |  | 1 | 9 |

Puzzle 214

272 Part II: Getting a Complete Puzzle Workout

| 1 |  | 2 |  | 9 | 6 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 9 |  |  | 4 |  |  |  |  | 3 |
|  | 4 |  |  | 1 |  | 6 | 2 |  |
|  |  | 8 |  |  |  | 3 |  |  |
|  | 2 | 9 |  | 6 |  |  | 8 |  |
| 5 |  |  |  |  | 9 |  |  | 8 |
|  |  | 4 | 1 |  |  |  |  |  |
|  |  |  | 6 | 7 |  | 4 |  | 5 |

[^0]Chapter 4: Puzzles 273

|  |  | 3 | 5 | 9 |  |  |  | 1 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 5 |  |  | 2 |  | 8 |  |
|  | 7 |  | 4 | 8 |  |  |  |  |
| 4 |  | 8 |  |  |  |  |  |  |
|  | 6 |  |  |  |  |  | 7 |  |
|  |  |  |  |  |  | 1 |  | 9 |
|  |  |  |  | 4 | 7 |  | 3 |  |
|  | 3 |  | 8 |  |  | 2 |  |  |
| 1 |  |  |  | 2 | 3 | 5 |  |  |

Puzzle 216

274 Part II: Getting a Complete Puzzle Workout

|  |  | 2 |  |  |  | 1 | 5 | 3 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 9 | 8 |  |  |  | 7 |  |
| 5 |  |  | 3 | 6 |  | 9 |  |  |
|  | 4 |  |  | 2 |  |  |  | 7 |
|  |  |  |  |  |  |  |  |  |
| 8 |  |  |  | 1 |  |  | 9 |  |
|  |  | 6 |  | 3 | 9 |  |  | 1 |
|  | 9 |  |  |  | 8 | 5 |  |  |
| 3 | 2 | 8 |  |  |  | 7 |  |  |

Puzzle 217

Chapter 4: Puzzles 275

| 2 |  | 6 |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 3 |  |  |  | 8 |  |  | 1 |
|  | 5 | 9 | 4 |  |  | 8 |  |  |
|  |  |  |  | 2 |  |  |  | 9 |
|  | 1 | 8 | 6 |  | 9 | 7 | 3 |  |
| 9 |  |  |  | 7 |  |  |  |  |
|  |  | 5 |  |  | 7 | 2 | 6 |  |
| 3 |  |  | 9 |  |  |  | 1 |  |

Puzzle 218

276 Part II: Getting a Complete Puzzle Workout

| 4 | 1 | 8 |  |  | 3 |  |  | 9 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 5 |  |  |  |  |  | 7 |  |
|  |  | 6 | 2 |  |  | 4 |  |  |
| 3 |  |  | 4 |  |  |  | 6 |  |
|  |  |  | 5 |  | 1 |  |  |  |
|  | 2 |  |  |  | 9 |  |  | 7 |
|  |  | 5 |  |  | 2 | 1 |  |  |
|  | 6 |  |  |  |  |  | 9 |  |
| 9 |  |  | 1 |  |  | 2 | 5 | 4 |

Puzzle 219

Chapter 4: Puzzles 277

| 7 |  |  |  |  |  |  |  | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  | 9 | 7 | 5 |  |  |  |
| 9 |  | 6 |  |  |  | 5 |  | 4 |
|  |  | 9 | 5 |  | 7 | 8 |  |  |
|  | 7 |  |  |  |  |  | 4 |  |
|  |  | 3 | 2 |  | 6 | 7 |  |  |
| 2 |  | 5 |  |  |  | 6 |  | 7 |
|  |  |  | 1 | 5 | 9 |  |  |  |
| 4 |  |  |  |  |  |  |  | 3 |

Puzzle 220

278 Part II: Getting a Complete Puzzle Workout

|  |  |  | 8 |  | 6 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 6 |  |  |  | 3 |  | 7 |  |  |
|  | 5 | 2 |  |  |  |  | 4 | 6 |
| 4 |  |  |  | 2 |  |  |  |  |
|  | 9 | 1 |  |  |  | 6 | 2 |  |
|  |  |  |  | 9 |  |  |  | 5 |
| 2 | 4 |  |  |  |  | 8 | 1 |  |
|  |  | 7 |  | 4 |  |  |  | 3 |
|  |  |  | 1 |  | 3 |  |  |  |

[^1]Chapter 4: Puzzles 279

| 6 |  | 9 | 2 |  | 4 | 1 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 3 |  | 6 |  | 9 |  |
| 1 |  |  |  |  |  |  | 7 |
|  |  | 1 | 5 |  | 6 | 2 |  |
|  |  |  |  |  |  |  |  |
|  |  | 4 | 8 |  | 9 | 3 |  |
| 8 |  |  |  |  |  |  | 9 |
|  |  | 7 |  | 9 |  | 4 |  |
| 9 |  | 5 | 3 |  | 1 | 8 |  |

Puzzle 222

280 Part II: Getting a Complete Puzzle Workout

## Tough

|  |  | 5 |  |  | 4 |  | 2 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 9 |  |  |  | 6 |  |  | 3 | 7 |
|  | 3 | 8 |  |  |  | 9 |  |  |
|  |  | 3 |  | 9 |  |  |  |  |
|  |  | 4 | 5 |  | 3 | 7 |  |  |
|  |  |  |  | 1 |  | 6 |  |  |
|  |  | 9 |  |  |  | 3 | 7 |  |
| 3 | 4 |  |  | 2 |  |  |  | 8 |
|  | 5 |  | 3 |  |  | 1 |  |  |

Puzzle 223

|  |  | 4 |  | 8 | 3 | 5 | 5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 6 |  | 2 |  |  |  |  |
| 8 | 3 |  |  |  |  |  |  |
|  |  |  |  |  | 8 |  |  |
|  | 9 | 8 |  |  | 5 |  |  |
|  | 5 |  |  |  |  |  |  |
| 6 | 1 |  |  |  | 7 | 9 | 9 |
| 2 | 4 |  | 5 |  | 6 |  |  |
|  |  | 3 |  | 9 |  |  |  |

Puzzle 224

282 Part II: Getting a Complete Puzzle Workout

| 19 | 11 |  | $\cdots$ | 17 ${ }^{-17}$ | 11 | 11 |  | 4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 13 |  |  |  |  |  | 12 | \|17 |
|  |  | 15 | - | 16 | 19 | ${ }^{-\cdots-\cdots-\cdots-}$ |  |  |
| 5 |  | 18 | ----- |  |  |  | 17 | \|8 |
| 13 | $\mathfrak{C -}^{\mathbf{6}}$ |  | $\mathbf{2 6}^{-\cdots}$ |  |  | 13 | ! | 草 |
|  |  | $7$ |  |  |  |  | $17^{-1-\cdots}$ |  |
| ¢ | $22$ |  |  |  | 16 | ( | 13 | 14 |
|  |  | 10 |  | 18 ${ }^{-18}$ |  | $\cdots$ |  |  |
| 7 | $\overline{9}^{-\cdots--}$ |  |  |  | 15 |  |  |  |

Puzzle 225

Chapter 4: Puzzles 283

|  | 2 |  |  |  |  |  | 4 | 5 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 8 | 4 |  |  |  |  |  |  |  |
|  |  |  | 4 | 6 |  | 8 | 3 | 9 |  |
|  |  | 2 |  |  |  |  | 8 |  |  |
| 7 | 4 |  | 2 | 8 |  | 3 |  | 6 | 9 |
|  |  | 8 |  |  |  |  | 2 |  |  |
|  | 5 |  | 6 | 9 |  | 4 |  |  |  |
|  |  | 5 |  |  |  |  | 6 | 4 |  |
|  | 7 |  |  |  |  |  |  | 8 |  |

Puzzle 226

284 Part II: Getting a Complete Puzzle Workout


Puzzle 227

Chapter 4: Puzzles 285

| 1 | 7 |  |  |  | 3 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2 |  | 9 | 7 |  |  |
|  | 8 | 9 |  |  | 5 | 2 |  |
|  | 9 |  | 4 |  |  | 1 |  |
|  |  |  |  |  |  |  |  |
|  | 5 |  |  | 8 |  | 4 |  |
|  | 1 | 6 |  |  | 9 | 5 |  |
|  |  | 4 | 1 |  | 8 |  |  |
| 9 | 4 |  |  |  |  | 7 | 6 |

Puzzle 228

286 Part II: Getting a Complete Puzzle Workout

|  | 1 |  |  |  | 9 |  |  | 7 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 7 |  |  | 4 |  | 1 | 9 |  | 5 |
|  |  |  |  |  |  | 1 |  |  |
|  | 5 |  | 7 |  | 2 |  | 4 |  |
|  |  |  | 6 |  | 3 |  |  |  |
|  | 3 |  | 8 |  | 7 |  | 9 |  |
|  |  |  |  | 5 |  |  |  |  |
| 6 |  |  | 1 |  | 5 |  |  | 8 |
|  |  | 1 | 9 |  |  |  | 2 |  |

Puzzle 229

Chapter 4: Puzzles 287

| 22 |  |  | 2 | 10 |  | 10 |  | 17 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 12 |  | 14 |  | ${ }^{-1--\cdots}$ |  | 10 |  |
| 17 |  |  | 9 | 9 |  | 10 |  | 17 |
| 6 |  | 7 | [36 |  |  |  | 4 |  |
|  | 24 |  |  |  | ${ }^{6}$ |  |  | 13 |
| 9 |  | 8 |  |  |  | 2 | 17 |  |
|  | 11 |  | 3 |  | 8 | 22 |  |  |
| $6{ }^{-\cdots}$ |  | 13 |  | 11 |  |  |  | 14 |
|  | -- |  | - |  |  |  |  |  |
|  | 11 |  | 12 |  | 6 |  |  |  |

Puzzle 230

288 Part II: Getting a Complete Puzzle Workout

|  |  | 1 |  | 3 |  | 8 |  | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  | 6 |  |  | 9 |
| 2 | 4 |  |  |  |  |  | 3 |  |
| 7 |  |  | 2 |  |  |  | 4 | 3 |
|  |  | 4 |  |  |  | 2 |  |  |
| 6 | 1 |  |  |  | 9 |  |  | 7 |
|  | 8 |  |  |  |  |  | 1 | 2 |
| 3 |  |  | 9 |  |  |  |  |  |
| 1 |  | 9 |  | 5 |  | 3 |  |  |

Puzzle 231

Chapter 4: Puzzles 289


Puzzle 232

290 Part Il: Getting a Complete Puzzle Workout

| 30 |  | $\overline{6}$ | [----- | 11 | $\cdots$ | 18 | -------- | 12 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\overline{8}^{----}$ | 10 |  |  | 14 |  |
| 5--> | $9^{-\cdots}$ | - 6 |  | 14 |  |  |  | - |
|  |  | 17 |  | 9 | $\mathrm{P}^{-\cdots}$ |  | 5 | 10 |
| 15 | 10 |  |  |  | 19 |  |  |  |
|  | 2 | $\overleftarrow{1}^{-1---}$ |  | $!$ | $10^{-1}$ |  | $4{ }^{-\cdots}$ | 11 |
| 6 | 21 |  | 17 | $\begin{array}{r} -\cdots \\ \hline---1 \\ \hline \end{array}$ |  | 4 |  | 1 |
| 5---> |  | $13$ | $11$ | $\begin{array}{r} -\cdots \\ -\cdots \\ \hline \end{array}$ |  | 32 |  |  |
|  |  |  | 10 |  | $\overline{9}^{-\cdots--}$ |  |  |  |

Puzzle 233

| 16 |  |  | 6 |  | 14 |  | 20 | 17 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| [---- | 14 | 16--- |  | 5 |  | ---- |  |  |
|  |  |  | 4 | 13 |  |  |  | 18 |
| ${ }^{-8}$ |  | 7 |  | $2{ }^{-1}$ | [7 | 12 |  |  |
| 22 | 9 |  | 11 |  |  | 7 |  |  |
|  | ${ }^{6}$ |  |  |  | 14 |  | 7 |  |
|  | 18 | 10 | 15 |  | 3 | 11 |  | 10 |
| [---- |  |  | 7 |  | 12 |  |  |  |
|  |  | ------- |  | - |  | - | - |  |
|  |  | 14 |  | 10 |  | 16 |  |  |

Puzzle 234

292 Part Il: Getting a Complete Puzzle Workout

| $10$ |  | 11 | ${ }^{-\cdots-\cdots}$ |  | $\square^{-7--}$ | $10^{-\cdots}$ |  | ${ }^{20}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $1 \overline{16}^{-\cdots}$ |  |  |  |  | $\mathbf{7}^{-\cdots--}$ | ------------ |  |
| 17 | 20 |  | $10^{-\cdots}$ | ¢25-- | 5 |  | [22 | + |
|  |  | 11 |  |  | $3^{-3}$ | 6 |  |  |
|  |  |  | $\mathbf{9}^{-\cdots-\cdots}$ |  | $\qquad$ | $\mathbf{9}^{-\cdots-\cdots}$ | $1^{16}$ | 174 |
| $9{ }^{-\cdots}$ |  | 8 |  |  | $13^{-\cdots}$ | , |  |  |
| 21 | ------ | ----1 | $\left\lvert\, \begin{gathered}-\cdots \\ 1\end{gathered}\right.$ |  | 1 | 21 | ------ |  |
|  | $\square$ | - |  | $18$ |  |  |  | \|8---1 |
|  | 11 |  |  | $\square$ | $10^{-1}$ |  |  |  |

Puzzle 235

Chapter 4: Puzzles 293

| 6 |  |  | 3 |  | 9 |  |  | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 2 |  |  | 1 |  | 5 | 9 |
|  | 9 |  | 7 |  |  | 1 |  |  |
|  | 6 | 4 |  |  |  |  |  | 2 |
|  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  | 4 | 6 |  |
|  |  | 3 |  |  | 2 |  | 4 |  |
| 2 | 1 |  | 4 |  | 9 |  |  |  |
| 4 |  |  | 6 |  | 8 |  |  | 5 |

Puzzle 236

294 Part II: Getting a Complete Puzzle Workout

|  | 8 |  |  | 4 |  |  | 1 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  | 8 |  | 1 |  |  |  |
| 7 |  | 4 | 6 |  | 5 |  |  |  |
|  | 6 | 1 |  |  |  | 9 | 4 |  |
| 8 |  |  |  |  |  |  |  | 1 |
|  | 4 | 3 |  |  |  | 5 | 7 |  |
|  |  |  | 5 |  | 6 | 4 |  | 3 |
|  |  |  | 7 |  | 4 |  |  |  |
|  | 5 |  |  | 2 |  |  | 9 |  |

Puzzle 237

Chapter 4: Puzzles 295

| 9 |  |  | 10 |  | 10 |  | [28 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $22{ }^{-1}$ | 9---- | $1{ }^{10}$ | 12 | 11--7 |  |  |  |  |
|  |  |  |  |  | ${ }^{9}$ |  | 14 |  |
|  | 15 |  | 4 | 17 | 9 | $6^{-\cdots}$ |  |  |
| 8 |  | 4 |  |  | 13 |  | 13 |  |
| 19 |  |  | $2$ |  |  | 15 |  | 15 |
|  |  | $1{ }^{1}$ |  | 4 | ${ }^{6}$ | ${ }^{17}$ | ${ }^{9}$ |  |
| 20 |  | 14 |  |  | , |  |  |  |
|  |  | 17 |  | 12 |  | 7 |  |  |

Puzzle 238

296 Part II: Getting a Complete Puzzle Workout

|  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 1 | 5 |  | 8 |  |  |  |
|  | 3 | 2 | 8 | 4 |  | 1 |  |  |
|  |  |  |  | 3 |  | 9 |  | 2 |
|  |  |  |  | 9 |  |  |  |  |
| 4 |  | 5 |  | 8 |  |  |  |  |
|  | 5 | 9 |  | 2 | 3 | 6 | 8 |  |
|  |  | 8 | 3 |  | 6 | 5 |  |  |
|  |  |  |  |  |  |  |  |  |

Puzzle 239

Treacherous

|  |  | 9 | 4 | 7 |  |  | 8 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 7 |  |  |  | 3 |  |  | 5 |  |
| 8 |  |  |  |  | 2 | 6 |  |  |
| 2 |  |  |  |  | 3 |  | 1 |  |
|  | 4 |  |  |  |  |  | 3 |  |
|  | 1 |  | 5 |  |  |  |  | 2 |
|  |  | 6 | 3 |  |  |  |  | 7 |
|  | 7 |  |  | 2 |  |  |  | 8 |
| 5 |  |  | 8 | 1 | 3 |  |  |  |

Puzzle 240

298 Part II: Getting a Complete Puzzle Workout

|  |  |  | 6 |  | 3 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 7 |  | 4 |  | 1 |  | 5 |  |
| 8 |  | 3 |  |  |  | 1 |  | 6 |
|  |  | 8 |  | 5 |  | 2 |  |  |
| 4 |  |  |  |  |  |  |  | 7 |
|  |  | 9 |  | 7 |  | 4 |  |  |
| 1 |  | 7 |  |  |  | 5 |  | 9 |
|  | 3 |  | 7 |  | 9 |  | 4 |  |
|  |  |  | 2 |  | 5 |  |  |  |

[^2]|  |  | 6 |  |  | 2 |  |  | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 5 |  |  |  |  |  | 1 |  |
| 3 |  | 8 |  |  | 4 | 2 |  |  |
|  |  | 5 |  |  | 6 |  |  | 3 |
| 7 | 1 |  |  |  |  |  | 2 | 5 |
| 6 |  |  | 5 |  |  | 4 |  |  |
|  |  | 3 | 7 |  |  | 8 |  | 2 |
|  | 2 |  |  |  |  |  | 4 |  |
| 5 |  |  | 8 |  |  | 1 |  |  |

Puzzle 242

300 Part II: Getting a Complete Puzzle Workout

|  |  |  |  |  | 2 | 7 | 6 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 6 |  |  |  | 1 |  |  | 5 | 2 |
|  |  |  | 3 | 7 |  |  |  |  |
|  | 4 |  |  | 3 |  |  | 2 |  |
|  |  | 6 | 2 |  | 7 | 1 |  |  |
|  | 9 |  |  | 8 |  |  | 7 |  |
|  |  |  |  | 5 | 9 |  |  |  |
| 3 | 7 |  |  | 6 |  |  |  | 4 |
|  | 6 | 8 | 4 |  |  |  |  |  |

[^3]Chapter 4: Puzzles 301

| 7 | 5 |  | 9 |  | 6 |  | 4 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  | 7 |  |  |  |  |
| 9 | 4 |  |  |  |  |  | 1 | 5 |
|  |  |  | 5 |  | 8 |  |  |  |
| 6 |  |  |  |  |  |  |  | 3 |
|  |  |  | 2 |  | 7 |  |  |  |
| 4 | 6 |  |  |  |  |  | 7 | 9 |
|  |  |  |  | 8 |  |  |  |  |
| 5 | 1 |  | 7 |  | 2 |  | 6 | 4 |

Puzzle 244

302 Part II: Getting a Complete Puzzle Workout

|  |  | 1 |  | 4 |  | 8 |  | 5 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  | 1 | 4 |  |
|  | 2 | 8 |  | 1 | 3 |  | 7 |  |
|  |  |  |  |  |  |  |  | 9 |
| 5 |  |  | 4 |  | 9 |  |  | 7 |
| 6 |  |  |  |  |  |  |  |  |
|  | 9 |  | 1 | 2 |  | 6 | 3 |  |
|  | 6 | 4 |  |  |  |  |  |  |
| 1 |  | 3 |  | 6 |  | 2 |  |  |

Puzzle 245

Chapter 4: Puzzles 303


Puzzle 246

304 Part II: Getting a Complete Puzzle Workout

|  |  | 2 |  | 8 | 4 |  | 1 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  | 7 |  |  |  |  |
|  | 5 |  |  |  | 9 | 6 |  |  |
|  | 3 | 5 |  | 2 |  |  | 6 |  |
| 9 | 2 |  |  |  |  |  | 8 | 7 |
|  | 6 |  |  | 1 |  | 3 | 4 |  |
|  |  | 4 | 8 |  |  |  | 3 |  |
|  |  |  |  | 5 |  |  |  |  |
|  | 8 |  | 4 | 9 |  | 2 |  |  |

Puzzle 247

Chapter 4: Puzzles 305

| 3 |  |  |  |  |  |  |  | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 2 | 4 |  | 6 |  | 8 |  |
|  |  |  |  |  |  |  |  | 2 |
|  |  | 8 | 5 |  | 4 | 2 |  |  |
|  | 1 | 1 |  |  |  |  | 3 |  |
|  |  | 4 | 3 | 2 | 9 | 7 |  |  |
| 7 |  |  |  |  |  |  |  |  |
|  | 4 |  | 9 |  | 8 | 6 |  |  |
| 9 |  |  |  |  |  |  |  | 8 |

Puzzle 248

306 Part II: Getting a Complete Puzzle Workout

|  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 6 |  |  |  |  |  | 1 | 7 |  |
| 9 |  |  |  | 8 |  |  |  | 2 |  |
|  |  |  | 4 | 2 | 8 |  |  |  |  |
| 8 | 5 |  | 6 | 1 |  |  |  | 4 |  |
|  |  |  | 9 | 4 | 2 |  |  |  |  |
|  |  |  |  | 5 |  |  |  | 1 |  |
| 1 | 8 |  |  |  |  |  | 7 |  |  |
|  |  |  |  |  |  |  |  |  |  |

## Puzzle 249

Chapter 4: Puzzles 307


Puzzle 250

308 Part II: Getting a Complete Puzzle Workout


Puzzle 251

Chapter 4: Puzzles 309


Puzzle 252

310 Part II: Getting a Complete Puzzle Workout

|  |  |  |  |  | 2 | 1 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8 |  |  | 4 | 1 | 9 |  |  |  |
|  |  |  |  | 6 |  |  | 3 | 2 |
| 7 |  |  | 3 |  | 6 |  |  | 8 |
|  | 2 |  |  |  |  |  | 6 |  |
| 5 |  |  | 6 |  | 1 |  |  | 4 |
|  |  | 7 |  | 5 |  |  |  |  |
| 4 |  |  | 2 | 8 | 3 |  |  | 5 |
|  | 8 |  | 9 |  |  |  |  |  |

Puzzle 253

Chapter 4: Puzzles 311


Puzzle 254

312 Parti: Stating a Complete Puuzle Workout


Puzzle 255

Chapter 4: Puzzles 313


Puzzle 256

314 Parti: Seting a Complete Puzre Workout


Puzzle 257

Chapter 4: Puzzles 315


Puzzle 258

316 Parti: Geting a Complete Puzze Workout


Puzzle 259

## Part III

## The Payoff: Checking Your Answers

## The 5th Wave

By Rich Tennant


## In this part . . .

1twould be downright cruel to omit this part from any puzzle book. Even if you're certain you've completed a certain puzzle or answered a riddle exactly the right way, you want the satisfaction of seeing your accomplishment in print, right? And face it: Everyone has those days when they just can't get the final few entries to the crossword puzzle or when a seemingly unsolvable logic puzzle threatens to keep them awake all night.

I don't want to be accused of causing sleep deprivation, so here are the answers you need. Just promise me you won't crack this part open until you've given your puzzle of choice a run for the money!

## Chapter 5

## Answers

$p$lease do not read through this chapter until you've worked on the puzzles in Chapter 4!

## Puzzle 1

Once. After that, the mathematician would be subtracting ten from 90 , then 80 , then 70 . . .

## Puzzle 2

Three wise men

## Puzzle 3

They were part of a set of triplets, the third child being a daughter

## Puzzle 4

$5+545=550$ (add one diagonal line to the second "+" to make it a " 4 ")

## Puzzle 5

Alexander juggled the gold as he crossed the bridge, keeping at least one piece in the air at all times.

## Puzzle 6

One person stands on one corner of the handkerchief and closes a door. The second person stands on the corner of the handkerchief protruding under the door. With the door between them, they cannot possibly touch.

## Puzzle 7

The person is on tracks in a railroad tunnel walking toward the train and is close to the end when the oncoming train is discovered. The person must then run forward to clear the tunnel before the train enters.

## Puzzle 8

You send the container with one of your locks securing the container. Your acquaintance receives the container, and without trying to open it, attaches his lock next to your lock. He then sends the container back to you. You use your key to unlock your lock, remove it, and send the container back to your acquaintance with only his lock on the container. He can then open the container using his own key to his own lock.

## Puzzle 9

The man said: "I will be drowned."

## Puzzle 10

The word is STARTLING and the word sequence is:
STARTING - STARING - STRING - STING - SING - SIN - IN - I

## Puzzle 11

A hole in the ground

## Puzzle 12

A goose

## Puzzle 13

A fire

## Puzzle 14

A yardstick

## Puzzle 15

The future

## Chapter 5: Answers <br> 321

## Puzzle 16

Tomorrow

## Puzzle 17

Stairs

## Puzzle 18

Your breath

## Puzzle 19

The letter "i"

## Puzzle 20

4, positioned like this: WW
WW

## Puzzle 21

Raise and raze

## Puzzle 22

Taking any eight of the nine coins, load the scale with four coins on either side. Whenever two sides are equal, the remaining coin is the fake.

## Puzzle 23

Noon

## Puzzle 24

Bookkeeper (oo-kk-ee) and sweet-toothed (ee-tt-oo)

## Puzzle 25

Answer: Nothing

## Puzzle 26

LAUGH AND THE WORLD LAUGHS WITH YOU. SNORE AND YOU SLEEP ALONE.

## Puzzle 27

BE CAREFUL OF YOUR THOUGHTS. THEY MAY BECOME WORDS AT ANY MOMENT.

## Puzzle 28

SHUN IDLENESS. IT IS THE RUST THAT ATTACHES ITSELF TO THE MOST BRILLIANT METALS.

## Puzzle 29

IF I TAKE CARE OF MY CHARACTER, MY REPUTATION WILL TAKE CARE OF ITSELF.

## Puzzle 30

HE WHO ESTABLISHES HIS ARGUMENT BY NOISE AND COMMAND SHOWS THAT HIS REASON IS WEAK.

## Puzzle 31

WHENEVER I FEEL LIKE EXERCISING, I LIE DOWN UNTIL THE FEELING PASSES.

## Puzzle 32

TRUST YOUR OWN INSTINCT. YOUR MISTAKES MIGHT AS WELL BE YOUR OWN INSTEAD OF SOMEONE ELSES.

## Puzzle 33

THE ONLY PEOPLE WHO LISTEN TO BOTH SIDES OF A FAMILY QUARREL ARE THE NEXT DOOR NEIGHBORS.

## Puzzle 34

ALL THE BEAUTIFUL SENTIMENTS IN THE WORLD WEIGH LESS THAN A SINGLE LOVELY ACTION.

## Puzzle 35

THERE'S NOTHING IN THE MIDDLE OF THE ROAD BUT YELLOW STRIPES AND DEAD ARMADILLOS.

## Puzzle 36

THE GEM CANNOT BE POLISHED WITHOUT FRICTION, NOR MAN PERFECTED WITHOUT TRIALS.

## Puzzle 37

REMEMBER, WHEN THE PEACOCK STRUTS HIS STUFF HE SHOWS HIS BACKSIDE TO HALF THE WORLD.

## Puzzle 38

LACK OF WILL POWER AND DRIVE CAUSE MORE FAILURES THAN LACK OF INTELLIGENCE AND ABILITY.

## Puzzle 39

BELIEVE IT OR NOT, ONCE UPON A TIME, ALL MEMBERS OF THE FAMILY HAD BREAKFAST TOGETHER.

## Puzzle 40

IF YOU WILL SPEND MORE TIME SHARPENING THE AX, YOU'LL SPEND LESS TIME CHOPPING WOOD.

## Puzzle 41

THE WORSHIP MOST ACCEPTABLE TO GOD COMES FROM A THANKFUL AND CHEERFUL HEART.

## Puzzle 42

THE LAND OF MILK AND HONEY HAS ITS DRAWBACKS. YOU CAN GET KICKED BY A COW AND STUNG BY A BEE.

## Puzzle 43

WHEN A MAN SEES THE HANDWRITING ON THE WALL, THERE IS PROBABLY A CHILD IN THE FAMILY.

## Puzzle 44

PERSONALITY CAN OPEN DOORS BUT ONLY CHARACTER CAN KEEP THEM OPEN.

## Puzzle 45

GOD'S TOMORROW WILL BE BETTER THAN ANY YESTERDAY YOU HAVE EVER KNOWN.

## Puzzle 46

FOUR THINGS DO NOT COME BACK; THE SPOKEN WORD, THE SHOT ARROW, THE PAST LIFE AND THE NEGLECTED OPPORTUNITY.

## Puzzle 47

I FINALLY KNOW WHAT DISTINGUISHES MAN FROM THE BEASTS - FINANCIAL WORRIES.

## Puzzle 48

NO PASSION SO EFFECTUALLY ROBS THE MIND OF ALL ITS POWERS OF ACTING AND REASONING AS FEAR.

## Puzzle 49

BRAVERY IS THE CAPACITY TO PERFORM PROPERLY EVEN WHEN SCARED HALF TO DEATH.

## Puzzle 50

OPPORTUNITY IS MISSED BY MOST PEOPLE BECAUSE IT IS DRESSED IN OVERALLS AND LOOKS LIKE WORK.

## Puzzle 51

LIVES

## Puzzle 52

CO-STAR

## Puzzle 53

SORES

## Puzzle 54

SECURE

## Puzzle 55

LISTEN

## Puzzle 56

THEY SEE

## Puzzle 57 <br> THEIRS

## Puzzle 58

SOBER

Puzzle 59<br>SPEND IT

Puzzle 60

CHEATING

Puzzle 61

KITCHEN

Puzzle 62

DEBIT CARD

Puzzle 63
DATE'S UP

Puzzle 64<br>THE CLASSROOM

## Puzzle 65

CAR INSURANCE

Puzzle 66
DETECT THIEVES

# 326 Part III: The Payoff: Checking Your Answers 

Puzzle 67<br>ELEVEN PLUS TWO

Puzzle 68<br>THE DESERT REGION

Puzzle 69<br>PAID ME EVERY CENT

## Puzzle 70 <br> CASH LOST IN 'EM

Puzzle 71<br>ELECTION RECOUNTS

Puzzle 72<br>DREAM FOR CUE BALLS

Puzzle 73<br>PUBLIC RELATIONS

Puzzle 74<br>NEW YEAR'S RESOLUTION



## Puzzle 75



## Puzzle 76

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## Puzzle 77



Puzzle 78


## Puzzle 79



## Puzzle 80

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## Puzzle 81




## Puzzle 83



## Puzzle 84

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## Puzzle 85



## Puzzle 87



## Puzzle 88

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## Puzzle 89




## Puzzle 91



Puzzle 92
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## Puzzle 93



Puzzle 94


## Puzzle 95



## Puzzle 96

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Puzzle 97



## Puzzle 99



## Puzzle 100

## 340 Part III: The Payoff: Checking Your Answers



## Puzzle 101



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## Puzzle 103



Puzzle 104
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## Puzzle 105




## Puzzle 107

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## Puzzle 108

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## Puzzle 109




## Puzzle 111



## Puzzle 112

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## Puzzle 113




## Puzzle 115



## Puzzle 116



## Puzzle 117




## Puzzle 119

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## Puzzle 120

## 350 <br> Part III: The Payoff: Checking Your Answers



## Puzzle 121



Puzzle 122


## Puzzle 123



Puzzle 124

352 Part III: The Payoff: Checking Your Answers $\qquad$

| ${ }^{1} \mathrm{~A}$ | G |  |  | ${ }^{4} \mathrm{~S}$ | A | ${ }^{6}$ | ${ }^{7} \mathrm{O}$ | ${ }^{3}$ |  | S |  | R | 0 | P |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{P}$ | A | M |  | ${ }^{15} \mathrm{P}$ | L | E | B | E |  | ${ }^{16} \mathrm{H}$ | E | A | V | E |
| ${ }^{17} \mathrm{~L}$ | 1 | P |  | ${ }^{18} \mathrm{O}$ | L | E | 0 | S |  | ${ }^{19} \mathrm{O}$ | R | G | A | N |
| ${ }^{20} \mathrm{O}$ | N | E | ${ }^{21} \mathrm{H}$ | 0 | R | S | E | T | ${ }^{22} \mathrm{O}$ | W | N |  |  |  |
| ${ }^{23} \mathrm{M}$ | E | R | 1 | N | 0 |  |  | ${ }^{24} \mathrm{~L}$ | A | S |  | B | A | R |
| ${ }^{28} \mathrm{~B}$ | R | E | D |  | ${ }^{29}$ | ${ }^{30} \mathrm{P}$ | ${ }^{31} \mathrm{P}$ | E | R |  | ${ }^{32} \mathrm{D}$ | 0 | G | E |
|  |  |  | ${ }^{33} \mathrm{E}$ | ${ }^{34}$ | N | U | 1 |  |  | ${ }^{35} \mathrm{O}$ | 0 | H | E | D |
|  | T | ${ }^{37}$ W | 0 | E | D | G | E | D | ${ }^{39} \mathrm{~S}$ | W | 0 | R | D |  |
| ${ }^{40} \mathrm{~S}$ | H | 0 | U | T |  |  | ${ }^{41} \mathrm{C}$ | 0 | Y | E | R |  |  |  |
| ${ }^{42} \mathrm{P}$ | E | R | T |  | ${ }^{43} \mathrm{~A}$ | B | E | A | M |  | ${ }^{45}$ | ${ }^{46} \mathrm{E}$ | A | D |
| Y | E | N |  | O | 1 | L |  |  | P | 52 | A | S | M | A |
|  |  |  | T | H | R | E | ${ }^{54}$ E | P | 0 | 1 | N | T | E | R |
| 0 | P | ${ }^{58}$ E | R | A |  | ${ }^{59} \mathrm{~N}$ | U | R | S | E |  | ${ }^{50} \mathrm{~A}$ | L | T |
| ${ }^{6}$ | E | N | 0 | R |  | ${ }^{62} \mathrm{D}$ | R | A | 1 | N |  | ${ }^{63} \mathrm{~T}$ | 1 | E |
| ${ }^{64} \mathrm{~T}$ | A | S | T | E |  | ${ }^{65} \mathrm{~S}$ | 0 | Y | A | S |  | ${ }^{66} \mathrm{E}$ | A | R |

## Puzzle 125

|  | A | P | ${ }^{4}$ A |  |  |  |  |  |  |  |  | z |  | R |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | R | 1 | S | E |  | ${ }^{15} \mathrm{~A}$ | P | S | 0 |  | R | I | C | 0 |
| ${ }^{17} \mathbf{P}$ | E | P | P | E | ${ }^{18} \mathrm{R}$ | M |  | N |  |  | ${ }^{1} \mathrm{~A}$ | N |  | S |
| ${ }^{20} \mathrm{E}$ | N | E |  | S | 0 | M | E |  | B | O | C | C |  | E |
| ${ }^{24} \mathrm{R}$ | A | S | ${ }^{5}$ | A | L | S |  | ${ }^{26}$ | E | R |  |  |  |  |
|  |  |  | O | w |  |  | ${ }^{\text {F }}$ |  | L | B | E | ${ }^{29}$ | T | S |
| ${ }^{32} \mathrm{C}$ | ${ }^{33} \mathrm{O}$ | ${ }^{\text {L }}$ | T | S |  | ${ }^{35} \mathrm{C}$ | U | L |  |  | ${ }^{36}$ R | O |  |  |
| ${ }^{37} \mathrm{O}$ | B | 1 | T |  | M | A | D |  |  |  | ${ }^{3}$ | 0 |  | E |
| ${ }^{40}$ | 0 | Z | O |  | O | R | G |  |  | ${ }^{42} \mathrm{~K}$ |  |  |  |  |
| ${ }^{43} \mathrm{~B}$ | E | A | N | ${ }^{4}$ | 0 | L | E |  | ${ }^{45}$ |  | c |  |  |  |
|  |  |  | C | A | S | S |  | M | U | S |  | ${ }^{48} \mathrm{R}$ | ${ }^{49} \mathrm{~A}$ |  |
|  | ${ }^{52} \mathrm{R}$ | ${ }^{3}$ | A | D | E |  | E | R | R | S |  | ${ }^{55} \mathrm{~A}$ |  |  |
| ${ }^{56} \mathrm{~L}$ | 0 | 0 | N |  | J | ${ }^{8} \mathrm{~A}$ | W | B | R | E |  | A K |  |  |
| ${ }^{50}$ | O | L | D |  | A | L | A |  |  | ${ }^{62}$ | H | E |  |  |
| ${ }^{63}$ | K | A | Y |  | W | 1 |  | G |  | ${ }^{65}$ | A | A R | A | s |


| A | B | ${ }^{3} \mathrm{~B}$ | ${ }^{4} \mathrm{O}$ |  |  | B |  | ${ }^{8} \mathrm{~S}$ |  |  | ${ }^{\text {c }}$ | 0 | 0 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~S}$ | L | A | T | E |  | A | S | H | E |  | ${ }^{16}$ | U | S |  |
| ${ }^{17} \mathrm{~A}$ | E | R | 1 | E |  | ${ }^{18}{ }^{18}$ | E | E | R |  | E | T | T | A |
| P | U | N | C | H | C | A | R | D |  |  | A | D |  | R |
|  |  |  |  | ${ }^{23} \mathrm{E}$ | A | R |  |  |  | T |  | 0 |  |  |
| ${ }^{5}$ S | A | ${ }^{27}$ U | T | E | D |  |  | , | G | G |  |  |  |  |
| ${ }^{31}$ A | P | S | E |  |  | ${ }^{32}$ | A | R | T | 1 | S | A | N | S |
| ${ }^{8}$ | E | N | E | R | ${ }^{40} \mathrm{~A}$ | L | E | L | E | C | T |  | - |  |
| E | X | A | M | 1 | N | E | R | R |  |  | ${ }^{42} \mathrm{~A}$ | L |  |  |
|  |  |  |  | ${ }^{43} \mathrm{~F}$ | D | A |  |  |  | ${ }^{45}$ |  | S |  | W |
|  | R | A | ${ }^{49} 1$ |  |  |  | ${ }^{\circ} \mathrm{A}$ | M | 0 | R |  |  |  |  |
| B | U | T | T | E | R | ${ }^{4} \mathrm{~F}$ | L | Y |  | A | L | ${ }^{6} \mathrm{~L}$ | ${ }^{5}$ |  |
| ${ }^{59}$ | P | E | S |  | ${ }^{5}$ | A | T |  |  | ${ }^{61}$ | U | 1 |  |  |
| R | E | A | M |  | G | R | A |  |  | 4 | N | N | E |  |
| 5 | E | R | E |  | G | 0 | R | E |  | S | E | T | 0 | N |

Puzzle 127

|  |  |  | T |  |  |  |  |  |  |  |  | A |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} 1$ | N | T | R | A |  | ${ }^{15} \mathrm{M}$ |  | R |  | ${ }^{16}$ | R | v | 1 |  |  |
| ${ }^{17}{ }^{17}$ | L | E | A | M |  | ${ }^{18} \mathrm{M}$ | A | A |  | ${ }^{19} \mathrm{~N}$ | E | 0 | N |  |  |
| ${ }^{20} \mathrm{~T}$ | A | P | 1 | 0 | ${ }^{21} \mathrm{C}$ | A | P | $\cup$ | ${ }^{22} \mathrm{D}$ | D |  | N |  |  |  |
| ${ }^{23}$ | C | U | L | A | , |  |  | ${ }^{2} \mathrm{D}$ | U | G |  |  |  |  |  |
| ${ }^{25}$ | E | P |  |  | ${ }^{26}$ A | 0 |  |  | ${ }^{29} \mathrm{M}$ | A |  | z |  |  |  |
|  |  |  | 34 | 1 | G | S | A | W | P | U | Z | z |  |  |  |
| ${ }^{37} \mathrm{O}$ | ${ }^{8}$ | 1 | 0 | N |  | ${ }^{40} \mathrm{~S}$ | R |  |  | ${ }^{41} \mathrm{G}$ | A |  |  |  |  |
| ${ }^{42}$ | 0 | R | A | T | T ${ }^{43} \mathrm{I}$ | 0 | A | L | ${ }^{44} \mathrm{G}$ | E | R |  |  |  |  |
| ${ }^{45}$ | W | E | D | E | N |  | ${ }^{46}$ S | E |  |  |  | ${ }^{47} \mathrm{M}$ |  |  |  |
|  |  |  |  | ${ }^{50} \mathrm{R}$ | N | S |  |  | R | ${ }^{53} \mathrm{~A}$ | ${ }^{54}$ |  | E |  |  |
|  |  | ${ }^{56}$ | S | C | 0 |  | ${ }^{58}$ B | O | B | U | L | A |  |  |  |
| R | U | P | E |  |  | ${ }^{61}$ A |  |  |  |  | A | S |  |  |  |
| ${ }^{63} \mathrm{E}$ | A | S | E |  |  | S | K | A |  | ${ }^{65} \mathrm{~A}$ | C | M | E |  |  |
| ${ }^{66}$ | L | 0 | K | E |  | ${ }^{67}$ | E | N |  | ${ }^{88}$ | E | A | R |  |  |

## Puzzle 128

354 Part III: The Payoff: Checking Your Answers $\qquad$

|  |  |  | ${ }^{4} \mathrm{R}$ |  |  |  | L |  |  |  |  |  | ${ }^{12} \mathrm{~N}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | C | R | E |  | ${ }^{15}$ | R | E | 0 | S |  | ${ }^{16} \mathrm{E}$ | G | A | D |
| ${ }^{17} \mathrm{C}$ | H | O | P | ${ }^{8}$ | T |  | c | K |  |  | ${ }^{19} \mathrm{~A}$ | L | M | A |
| ${ }^{20} \mathrm{~K}$ | E | N |  | ${ }^{21} \mathrm{C}$ | A | C | H | E |  | ${ }^{2}$ | R | 0 | E | M |
|  |  |  | ${ }^{23} \mathrm{~S}$ | A | G | A |  |  | M | A | J | - |  | S |
| ${ }^{25}$ S | T | A | P | L | E |  | ${ }^{28}$ B | O | 1 | S | E |  |  |  |
| W | 0 | R | L | D |  | A | 1 | R | S | T | R | E |  | ${ }^{34} \mathrm{M}$ |
| ${ }^{5} \mathrm{~A}$ | N | T | 1 |  | O | L | L | A | s |  | ${ }^{37} \mathrm{~K}$ | 1 | L | 0 |
| B | E | S | T | O | F | A | L |  |  | ${ }^{0} \mathrm{~S}$ | E | N |  |  |
|  |  |  | ${ }^{41} \mathrm{~T}$ | w |  | N | S |  | S | c | R |  |  | N |
| ${ }^{43} \mathrm{~S}$ | ${ }^{44}$ | v |  | E |  |  |  | ${ }^{16} \mathrm{~B}$ | 0 | A |  |  |  |  |
| ${ }^{47} \mathrm{E}$ | P | 1 | C | s |  | ${ }^{48} \mathrm{I}$ | S | L | A | , |  |  | E | ${ }^{52} 1$ |
| D | 1 | S | K |  | ${ }^{4}$ B | R | E | A | K |  | ${ }^{55} \mathrm{O}$ |  | N | T |
| ${ }^{56}$ A | N | T | E |  | A | M | A | z |  |  | F | L |  | C |
| ${ }^{5}$ | E | A | T |  | ${ }^{\text {G }}$ | A | T | E | D |  | ${ }^{61}$ | 1 | S | H |

## Puzzle 129

| B |  |  |  |  |  |  | S |  |  |  |  | A |  | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | G | U | E |  | A | L | 0 | E |  | ${ }^{16}$ | U | R |  | S |
| ${ }^{17}$ | H | R | E | ${ }^{88}$ | R | 1 | N | G | ${ }^{1}$ | 1 | R | C | U | S |
|  | A | D | P | 0 | L | E |  |  | L | E | T |  |  | 0 |
|  |  |  | ${ }^{22}$ | S | 0 | N |  | ${ }^{23}$ | 0 | L | L |  |  |  |
| L | O | ${ }^{26}$ | T |  | T | S | ${ }^{8}$ | R | S |  | ${ }^{29} \mathrm{E}$ |  |  | T |
| ${ }^{33} \mathrm{~A}$ | L | 0 | U | ${ }^{34}{ }^{\text {d }}$ |  |  | ${ }^{35} \mathrm{H}$ | 0 | E | ${ }^{36}$ |  | A | R | E |
| S | 1 | x | P | A | C | K | 0 | F | D | R | ${ }^{4} 1$ | N |  | S |
| ${ }^{12} \mathrm{E}$ | V | E |  | , | A | N |  |  |  | ${ }_{4}^{44}$ | N |  |  |  |
| R | E | S | T |  | ${ }^{7} \mathrm{~J}$ | E | S |  |  |  |  |  |  | A |
|  |  |  | ${ }^{51} \mathrm{~A}$ | R | 0 | w |  | ${ }^{53}$ | H | U | H |  |  |  |
|  | E | R | B | A | L |  | S | N | A | K | E | ${ }^{59} \mathrm{G}$ |  | D |
| T | W | E | L | V | E | P |  | E | c | E | B | A | N | D |
| ${ }^{54} \mathrm{~T}$ | E | P | E | E |  |  | R | U |  |  | A | R | E | A |
| P | R | 0 | D | S |  | A | S | P | S |  | G | R | A | Y |


| E | A |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~T}$ | H | A | 1 |  | ${ }^{5}$ | H | E | E | R |  | E | E | R | 0 |
| ${ }^{17}$ | 0 | R | T | H | K | 0 | R | R | A |  | ${ }^{19} \mathrm{~T}$ | S | A | R |
| ${ }^{20} \mathrm{~A}$ | Y | E |  | ${ }^{21} \mathrm{O}$ |  | L |  |  | ${ }^{2} \mathrm{M}$ | E | T |  |  | E |
|  |  |  | ${ }^{24}$ A | R | N | E |  | C | A | R | E | W |  |  |
| A | ${ }^{27}$ | E | 1 | N | G |  | ${ }^{29}$ | E | T | R | E | A | ${ }^{30}$ | S |
| ${ }^{32} \mathrm{~S}$ | H | A | D | E |  | M | A | A R |  | S |  | ${ }^{34} \mathrm{R}$ |  |  |
| ${ }^{35}$ | 0 | S | E |  | ${ }^{36} \mathrm{C}$ | A | N | E |  |  | M | D | $\checkmark$ |  |
| ${ }^{38}$ E | S | T |  | T | 0 | N | G |  |  | ${ }^{\circ} \mathrm{C}$ | $\bigcirc$ | H | A | N |
| ${ }^{41} \mathrm{~S}$ | T | 0 | N | E | A | G |  |  | ${ }^{43} \mathrm{~F}$ | E |  |  | N | S |
|  |  | ${ }^{44} \mathrm{~F}$ | O | L |  |  |  | M | A | L |  |  |  |  |
| B | ${ }^{7} \mathrm{E}$ | E | T |  |  |  | ${ }^{8}$ | A | T | E |  | C | A | W |
| ${ }_{5}^{52}$ | A | D | E |  | S | O | $U$ | T | H | B | E | A | C |  |
| U | S | E | R |  | ${ }^{57}$ | A | S |  |  |  | 0 | P |  | E |
| ${ }^{59}$ E | E | N | S |  | ${ }^{50} \mathrm{E}$ | T | H | H E |  |  | ${ }^{61} \mathrm{~N}$ | O | D | E |

## Puzzle 131

|  | R | ${ }^{3} \mathrm{O}$ | ${ }^{4} \mathrm{D}$ |  |  |  | R | A | P |  |  | P | S |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{R}$ | E | P | A |  |  | ${ }^{15} \mathrm{H}$ | A | R | R | E | L | A | U | D |  |
| ${ }^{17} 1$ | C | E | B | R | ${ }^{18} \mathrm{E}$ | A | K | E |  |  | ${ }^{19} \mathrm{~T}$ | S |  |  |  |
| ${ }^{20} \mathrm{~S}$ | E | N | S | 1 | B | L | E |  |  | ${ }^{21} \mathrm{M}$ | 0 | T |  | E |  |
| ${ }^{22}$ | D | E |  | A | B | E |  |  |  | A |  | ${ }^{26} \mathrm{R}$ | R | R | S |
|  | E | R | ${ }^{29} \mathrm{O}$ |  |  | ${ }^{3}$ | ${ }^{31} \mathrm{E}$ | A |  | P |  | A | M | M |  |
|  |  |  | A | ${ }^{34} \mathrm{~L}$ | A |  | ${ }^{36}$ | L |  | C | ${ }^{37}$ E | M |  |  |  |
|  | ${ }^{38}$ w | ${ }^{39} \mathrm{~A}$ | T | E | R | ${ }^{40} \mathrm{M}$ | 0 | C |  | A | S |  |  |  |  |
| ${ }^{41} \mathrm{~B}$ | A | L | S | A | M | 1 | C |  | ${ }^{42} \mathrm{E}$ |  | A |  |  |  |  |
| ${ }^{43} \mathrm{E}$ | x | T |  | ${ }^{4} \mathrm{D}$ | E | L | H |  |  |  |  |  | ${ }^{48} \mathrm{G}$ |  |  |
| G | P | A |  |  | D | 0 |  |  |  |  |  | A |  |  |  |
|  | ${ }^{56} \mathrm{~A}$ | M | ${ }^{57} \mathrm{E}$ | R |  |  | M | U | H | H A | M | M | A | A |  |
| ${ }^{60}$ | P | 0 | N |  |  |  | E |  |  | M $T$ | A | B |  |  |  |
| M | E | N | D |  | S | E | A |  |  | ${ }^{65}$ E | L |  |  |  |  |
| A | R | T | S |  | N | A | D | A |  | ${ }^{68}$ | L | E | E | E |  |

Puzzle 132
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| ${ }^{1} \mathrm{D}$ |  | ${ }^{3} \mathrm{~N}$ | ${ }^{4} \mathrm{~A}$ |  |  | ${ }^{6}$ A | ${ }^{7} \mathrm{~S}$ | ${ }^{8} \mathrm{I}$ | ${ }^{\text {A }}$ |  | ${ }^{10} \mathrm{P}$ | ${ }^{11} \mathrm{~S}$ | ${ }^{12} 1$ | ${ }^{13} \mathrm{~S}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{E}$ | C | 0 | L | 1 |  | ${ }^{15} \mathrm{~F}$ | 0 | N | D |  | ${ }^{16} \mathrm{~A}$ | H | M | E |
| ${ }^{17} \mathrm{~L}$ | E | V | A | R |  | ${ }^{18} \mathrm{~A}$ | R | C | H |  | ${ }^{19} \mathrm{~T}$ | 0 | R | 1 |
| ${ }^{20} 1$ | R | 0 | N | S | ${ }^{21} 1$ | N | T | H | E | ${ }^{22} \mathrm{~F}$ | 1 | R | E |  |
|  |  |  | ${ }_{23}^{23}$ | U | T | 0 |  |  | ${ }^{24} \mathrm{R}$ | E | N | T |  |  |
|  | ${ }^{25}$ | ${ }^{26} \mathrm{~A}$ | L | T | 0 | F | ${ }^{2} \mathrm{~T}$ | ${ }^{28} \mathrm{H}$ | E | E | A | R | T | ${ }^{30} \mathrm{H}$ |
| ${ }^{31} \mathrm{~S}$ | P | 1 | D | E | R |  | ${ }^{32} \mathrm{R}$ | U | S | T |  | ${ }^{33} \mathrm{~A}$ | R | E |
| ${ }^{34} \mathrm{H}$ | 0 | R | A |  |  | ${ }^{35} \mathrm{~J}$ | A | M |  |  | ${ }^{36} \mathrm{P}$ | N | 1 | N |
| ${ }^{37} \mathrm{O}$ | R | C |  | ${ }^{38} \mathrm{D}$ | ${ }^{39} \mathrm{I}$ | E | S |  | ${ }^{40}$ | ${ }^{41}$ W | A | G | E | S |
| ${ }^{42} \mathrm{D}$ | E | A | ${ }^{43} \mathrm{D}$ | 1 | N | T | H | ${ }^{44} \mathrm{E}$ | W | A | T | E | R |  |
|  |  | ${ }^{45} \mathrm{~V}$ | E | E | P |  |  | ${ }^{46} \mathrm{~N}$ | A | S | T |  |  |  |
|  | ${ }^{47} \mathrm{C}$ | A | S | T | L | ${ }^{48}$ E | ${ }^{49} 1$ | N | T | H | E | ${ }^{50} \mathrm{~A}$ | 1 | R |
| E | L | L | A |  | ${ }^{54} \mathrm{~A}$ | C | N | E |  | ${ }^{55}$ | R | A | T | E |
| ${ }^{56}$ L | 0 | R | D |  | ${ }^{57} \mathrm{C}$ | 0 | R | A |  | ${ }^{58} U$ | N | B | A | G |
| ${ }^{59} \mathrm{~S}$ | T | Y | E |  | ${ }^{60} \mathrm{E}$ | N | 1 | D |  | ${ }^{61} \mathrm{~T}$ | S | A | R | S |

## Puzzle 133

| A |  |  |  |  |  |  |  |  |  |  |  | M | P | S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{D}$ | U | E | L |  | B | A | D | E |  | O | M | A | H | A |
| ${ }^{17} 0$ | R | A | L |  | ${ }^{18} \mathrm{E}$ | R |  | E |  | ${ }^{19} \mathrm{R}$ | A | N |  |  |
| R | E | D | S | ${ }^{21} \mathrm{~K}$ | $Y$ | A |  | N | , | G | H |  |  |  |
| N | A | E |  | ${ }^{4}$ | A |  |  |  | ${ }^{25}$ |  |  | 0 |  | S |
| ${ }^{28} \mathrm{~S}$ | U | N | ${ }^{29} \mathrm{~T}$ | A | N |  | J | ${ }^{31} 0$ |  |  |  | ${ }^{2} \mathrm{M}$ |  | 0 |
|  |  |  | ${ }^{33} \mathrm{H}$ |  | C | ${ }^{34} \mathrm{C}$ | U | P |  | C |  | A |  |  |
|  | W | H | 1 | T | E | E | L | E | ${ }^{39} \mathrm{P}$ | H | A | N |  |  |
| ${ }^{10}{ }^{\text {B }}$ | R | A | S | S |  | D | E | N | 1 | A | L |  |  |  |
| ${ }^{42} \mathrm{Y}$ | E | N |  |  | ${ }^{3} \mathrm{P}$ | E |  |  | ${ }^{44} \mathrm{E}$ | S | T | ${ }^{5} \mathrm{~A}$ | ${ }^{46}$ T | ${ }^{47}$ E |
| ${ }^{18} \mathrm{E}$ | N | D | E | A | R |  |  | ${ }^{51}$ A | C | T |  | ${ }^{52} \mathrm{~L}$ |  |  |
|  |  | B | L | U | E | 5 | N | T | H |  |  | A |  | E |
| S | T | 0 | A |  |  | D | A | T | A |  |  | S | S | R |
| ${ }^{\text {che }}$ | H | O | T | 0 |  | E | M | 1 | R |  | S | K |  |  |
| Y | 0 | K | E | S |  | S | E | C | - |  | S | A | N | S |


| S | A |  |  |  |  | H |  |  |  |  |  | R | A |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | G | A | L |  | H | O | W | W S | 0 |  | ${ }^{16} \mathrm{R}$ |  | C | A |
| ${ }^{17} \mathrm{P}$ | U | L | L | S | 0 | N | E | E s |  | ${ }^{19}{ }^{19}$ | 1 | G | H | T |
| ${ }^{20} \mathrm{~S}$ | E | A | F | A | R | E | R |  | B | O | X |  | E | T |
|  |  |  | O | D | E |  |  | T | 0 | N |  |  |  |  |
| ${ }^{24} \mathrm{P}$ | 1 | Q | U | E | S |  | ${ }^{2}$ | V I |  |  | ${ }^{28} \mathrm{E}$ |  | R | S |
| ${ }^{32}$ | S | U | R | $Y$ |  | M | A | N |  | ${ }^{34} \mathrm{~A}$ |  | ${ }^{35}$ |  |  |
| R | A | 1 | S | E | S | 0 | N | N |  | v | O |  |  |  |
| S | 1 | T |  | D | 0 | L | E |  |  | ${ }^{41}$ | D |  | E | D |
| ${ }^{2} \mathrm{E}$ | D | E |  |  | ${ }^{44} \mathrm{C}$ | D |  |  |  | A |  |  |  | S |
|  |  |  | ${ }^{46} \mathrm{O}$ | A | K | S |  | ${ }^{88}$ | O | T | S |  |  |  |
|  |  | ${ }^{51}$ | 0 | S | H |  | K |  | B | B | S | H | ${ }^{54}$ E | ${ }^{55}$ |
| ${ }^{56}$ | O | L | D | S | 0 | N | E | E S | B | R | E | A | T |  |
| ${ }^{58} \mathrm{~A}$ | B | E |  |  | ${ }^{59}$ | E | N | N C | E |  | ${ }^{60}$ | L | N |  |
| ${ }^{\mathbf{r} 1} \mathbf{P}$ | 0 | S | E |  | S | T | 0 | 0 | D |  | S | L | A | M |

Puzzle 135

| A | ${ }^{2} \mathrm{R}$ |  | ${ }^{4} \mathrm{O}$ |  |  |  | 0 | A |  |  |  | ${ }^{11} \mathrm{~A}$ | R | ${ }^{13} \mathrm{~S}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{D}$ | E | R | M |  | ${ }^{15}$ | 1 | N | G | 0 |  | ${ }^{16}$ | H | - |  |
| ${ }^{17} \mathrm{~A}$ | S | A |  |  | ${ }^{18} \mathrm{U}$ | N | C | A |  |  | ${ }^{19}$ D | A |  | E |
| ${ }^{20} \mathrm{M}$ | 0 | T | H | ${ }^{21} \mathrm{E}$ | R | T | E | R | E | ${ }^{22} \mathrm{~S}$ | A |  |  |  |
| ${ }^{23} \mathrm{~S}$ | W | E | A | R | B |  |  |  |  | ${ }^{24}$ | 1 | ${ }^{25} \mathrm{~T}$ | U | P |
|  |  |  | ${ }^{28}$ | 0 | S |  | ${ }^{29} \mathrm{M}$ |  | M | A | c | A |  | S |
| 1 | ${ }^{33} \mathrm{M}$ | T | 0 | 0 |  | M | A | L | A |  |  | ${ }^{36}$ |  |  |
| ${ }^{7}$ A | A | H | S |  | ${ }^{38} \mathrm{M}$ | A | M | M |  |  | T | 0 |  | A |
| M | R | 1 |  | ${ }^{1}$ L | 0 | A | M | S |  | ${ }^{42} \mathrm{R}$ |  |  |  | W |
| ${ }^{43} \mathrm{~B}$ |  | G | M | 0 | M | M | A |  | D |  | M |  |  |  |
| ${ }^{46} \mathrm{~S}$ | A | H | 1 | B |  |  |  | ${ }^{47}$ | R | T | E | M |  | S |
|  |  |  | M | 0 |  | ${ }^{53} \mathrm{M}$ | ${ }^{54} \mathrm{Y}$ | D | E | A | , | E | S |  |
| A | ${ }^{56}$ | T | 0 |  | ${ }^{58} \mathrm{G}$ | 0 | U | D | A |  |  | D |  |  |
| M | A | R | S |  | R | U | L | E |  |  |  | E |  | N |
| ${ }^{63} \mathrm{~A}$ | P | 1 | A |  | ${ }^{64} \mathrm{~S}$ | E | E | D | Y |  | ${ }^{65} \mathrm{Y}$ | A | $\mathrm{M}$ | , |

## Puzzle 136

358 Part III: The Payoff: Checking Your Answers $\qquad$

|  | 2R | ${ }^{3} \mathrm{O}$ | ${ }^{4} \mathrm{~T}$ |  |  | C |  |  |  |  |  | S | ${ }^{2} \mathrm{~T}$ | T |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{H}$ | E | R | R |  | ${ }^{15} \mathrm{~T}$ | A | B | O | 0 |  | ${ }^{16}$ S | N | A | A |
| ${ }^{17}$ A | N | T |  |  | ${ }^{18} \mathrm{O}$ | R | 0 | N | 0 |  | ${ }^{19} \mathrm{C}$ | 0 |  |  |
| ${ }^{2} \mathrm{~W}$ | E | E | P | ${ }^{21} 1$ | N | G | w | 1 | L | ${ }^{22}$ L | 0 | W |  |  |
| E | G | G |  | ${ }^{24} \mathrm{~N}$ | E | 0 |  |  |  | ${ }^{\text {a }}$ |  | E |  |  |
| ${ }^{28}$ | E | A | L | T |  |  | S | L | 1 |  |  | ${ }^{1}$ |  |  |
|  |  |  | ${ }^{34} \mathrm{O}$ | R | A | ${ }^{36}$ | 1 | $\bigcirc$ | N |  | J | 1 |  |  |
|  |  |  | 0 | 0 | P | 1 | N | G | C | ${ }^{40} \mathrm{R}$ | A | N |  |  |
| B | 0 | 0 | M |  | S | L | A | S | H | E | D |  |  |  |
| ${ }^{13} \mathrm{~A}$ | R | M |  | ${ }^{44} \mathrm{D}$ | E | L |  |  |  | 5 | E |  |  |  |
| A | D | E | ${ }^{50} \mathrm{~L}$ | E |  |  |  | A | A | A |  | S |  |  |
| $\left.{ }^{59} x\right\|^{6}$ |  | B | A | A B | B | L | ${ }^{57}$ | N | G | B | ${ }^{58} \mathrm{R}$ | 0 | O |  |
|  | ${ }^{60} \mathrm{R}$ | A |  |  | ${ }^{61}$ | 0 | S | E |  |  | , | B |  |  |
| ${ }^{3} \mathrm{E}$ | A | S | E |  | ${ }^{54} \mathrm{O}$ | P | 1 | N |  |  | ${ }^{65}$ B | A |  |  |
| ${ }^{66}$ | E | E | R |  | ${ }^{6}$ | E | T | T | E |  | ${ }^{68} \mathrm{E}$ | R |  | s |

Puzzle 137

|  | 0 |  |  |  |  |  |  |  |  |  |  | D | 1 | ${ }^{\text {E }}$ E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} 1$ | R | 0 | N |  | ${ }^{15} \mathrm{~T}$ | A | L | E |  | ${ }^{16} \mathrm{~A}$ | T | A | L | L |
| ${ }^{17}$ A | P | S | E |  | ${ }^{18} \mathrm{~A}$ | T | A | N |  | ${ }^{19} \mathrm{R}$ |  | T |  | S |
| C | H | 1 | L | ${ }^{2} \mathrm{D}$ | R | E | N | S | ${ }^{22}$ | A | M | E |  |  |
| R | A | N | T | E | D |  |  | ${ }^{24} \mathrm{O}$ | T | H | E | L | ${ }^{25}$ | 0 |
| ${ }^{27} \mathrm{E}$ | N | S |  | ${ }^{28}$ | ${ }^{2}$ | ${ }^{29} \mathrm{~T}$ | ${ }^{30}$ | R | E |  |  | ${ }^{31}$ |  | N |
|  |  |  | S |  | S | A |  |  |  |  | ${ }^{34}$ E | N |  |  |
|  | Q | U | 1 | E | T | 0 |  |  | ${ }^{38} \mathrm{H}$ | E | S | E |  |  |
| ${ }^{39} \mathrm{~A}$ | U | N | T | S |  |  | ${ }^{\text {A }}$ | R | 0 | L |  |  |  |  |
| ${ }^{41}$ L | A | B |  |  |  |  |  | U | T | H |  | ${ }^{4} \mathrm{E}$ |  | ${ }^{46} \mathrm{~A}$ |
| ${ }^{47} \mathrm{E}$ | D | $\cup$ | ${ }^{8} \mathrm{C}$ | ${ }^{49}$ A | T | E |  |  | W | A | ${ }^{51}$ L | N |  |  |
|  |  | T | H | R | E | E | ${ }^{33}$ | N | A | M | A | T | C |  |
|  | A | T | 1 | 0 |  | R |  | 0 |  |  | ${ }^{8}$ |  |  | E |
| A | R | 0 | M |  |  | E | S | T | E |  | E | R |  | N |
| $\underline{\text { b }}$ | 1 | N | E | R |  | ${ }^{63}$ D | E | E | R |  | ${ }^{64} \mathrm{~L}$ | E | N | S |


|  | A |  |  |  |  | ${ }^{6} \mathrm{R}$ | ${ }^{7}$ A |  | ${ }^{9}$ |  |  |  | P | ${ }^{13} \mathrm{~s}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | L |  |  | ${ }^{15}$ S | T | A | B | L | E |  | L | A | 1 | c |
| ${ }^{17}$ | 1 | N |  | ${ }^{18} \mathrm{M}$ | 0 | D | U | L | E |  | ${ }^{19} \mathrm{~T}$ | 0 | G | 0 |
| ${ }^{20} \mathrm{~S}$ | E | E | D |  | W | A | T | E | R | $\mathrm{R}^{23} \mathrm{~W}$ | A | T | E | R |
|  |  | T | 0 | W | E | R | S |  |  | ${ }^{26}$ | R | S | 0 | N |
| ${ }^{27} \mathrm{~A}$ | O | R | T | A |  |  |  | R |  | O |  | E | N | S |
| ${ }^{32} \mathrm{P}$ | L | E | A | S | E | P | L | E | A |  |  |  |  |  |
| ${ }^{37}$ | E | E | R |  | Q | U | 1 | N | N |  | ${ }^{39} \mathrm{~T}$ |  | A | ${ }^{42}$ |
|  |  |  |  | O | U | B | L | E | D | ${ }^{45} \mathrm{O}$ | U | B | L | E |
| ${ }^{\text {A }}$ | D | ${ }^{\text {A }}$ |  | ${ }^{19}$ | 1 | S |  |  |  | 0 | D | E | T | S |
| L | A | R | ${ }^{52}$ | 0 |  |  | ${ }^{3} \mathrm{~A}$ | R | ${ }^{55}$ | H | E | D |  |  |
| ${ }^{56}$ | E | T | E | R | P | E | T | E | R |  | ${ }^{59} \mathrm{~S}$ | 1 | L | ${ }^{61} \mathrm{~K}$ |
| ${ }^{62}$ | M | 1 |  |  | A | R | 0 | M |  |  |  | E | E |  |
| ${ }^{66}$ | O | S |  |  | P | 1 | N | A | T | A |  | ${ }^{\text {N }}$ | A |  |
| ${ }^{59} \mathrm{~A}$ | N | T | E |  | P | E | E |  | E | D |  | T | H | , |

## Puzzle 139

| A | S | ${ }^{3} \mathrm{P}$ | S |  |  |  |  |  |  |  |  | A | M | ${ }^{13} \mathrm{O}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{D}$ | A | L | Y |  | ${ }^{15} \mathrm{H}$ | A | S | H |  | ${ }^{16} \mathrm{~L}$ | 1 | B | E |  |
| ${ }^{17}$ U | L | A | N |  | ${ }^{18} \mathrm{O}$ | L | L | A |  | ${ }^{19}$ | 0 | U |  | E |
| ${ }^{20} \mathrm{~L}$ | 0 | S | E | ${ }^{21}$ | 1 | v | E | P | ${ }^{22}$ | U | N | D |  |  |
| ${ }^{23}$ T | 0 | M |  | ${ }^{2}$ | R | E |  | E | R |  |  | ${ }^{26} \mathrm{H}$ | A | L |
| ${ }^{28} \mathrm{~S}$ | N | A | ${ }^{29} \mathrm{R}$ | L |  | ${ }^{3} \mathrm{~S}$ | ${ }^{31}$ | A | K |  |  | ${ }^{32} \mathrm{~A}$ | G | 0 |
|  |  |  | ${ }^{33} \mathrm{I}$ |  |  |  | H | U | N |  | A | B | E |  |
| G | ${ }^{8} \mathrm{E}$ | ${ }^{\text {T }}$ | S | 0 | M | ${ }^{40} \mathrm{E}$ | E | X | E | ${ }^{41} \mathrm{R}$ | c |  |  |  |
| ${ }^{42}$ | U | R | E |  | ${ }^{4} \mathrm{P}$ | A | R |  | ${ }^{44} \mathrm{Y}$ | E | N |  |  |  |
| ${ }^{45}$ | R |  |  | ${ }^{46}$ B | A | R | E | ${ }^{47} \mathrm{R}$ |  | ${ }^{48} \mathrm{C}$ | E | ${ }^{49}$ | ${ }^{50}$ S |  |
|  | A | M |  | A | L | P |  | ${ }^{54} \mathrm{~A}$ | ${ }^{55}$ |  |  | ${ }^{56}$ |  | N |
|  | ${ }^{57}$ S | M | 0 | K | E | L | E | S | S | O | F | T |  |  |
| S | 1 | E | v | E |  | ${ }^{2}$ | R | S | A |  | ${ }^{63}$ | U | N | E |
| E | A | S | E |  |  | G |  | L |  |  | , | T |  | A |
| ${ }^{5} \mathrm{E}$ | N | T | R | Y |  | ${ }^{68} \mathrm{~S}$ | E | E | M |  | ${ }^{69} \mathrm{D}$ | E | A |  |

Puzzle 140
$\qquad$

| ${ }^{1}$ | ${ }^{2} \mathrm{~S}$ | S |  |  | A |  |  | $L^{8} \mathrm{~A}$ | A ${ }^{9} \mathrm{~S}$ |  | 0 | D | 2 | I |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{I}$ | T | 0 | 0 |  | ${ }^{15}$ B | 0 | 0 | T | T |  | ${ }^{16} \mathrm{M}$ | E | M | M |
| ${ }^{17}$ D | Y | A | N |  | ${ }^{18} \mathrm{~J}$ | U | R | O | R |  | ${ }^{19} \mathrm{~A}$ | L | A | S |
| ${ }^{20} \mathrm{E}$ | X | P | 0 | ${ }^{21} \mathrm{~S}$ | U | R | E | M | A | ${ }^{22} \mathrm{C}$ | H |  | N | , E |
|  |  |  |  | ${ }^{23} \mathrm{M}$ | R | S |  |  | P | E | A |  |  |  |
| C | O | L | ${ }^{28} \mathrm{~L}$ | 1 | E |  |  | U | N | O |  | ${ }^{31}$ | C | E |
| ${ }^{\text {A }}$ | x | 1 | A | L |  | C | U | T | T E |  | ${ }^{36}$ D | R | U | M |
| ${ }^{7}$ | 1 | E | C | E | T | R |  | 1 A | A L | F | R | A | M | E |
| E | D | G | E |  | ${ }^{4} \mathrm{R}$ | 1 | c | C H |  | ${ }^{42}$ | A |  |  | N |
| ${ }^{43} \mathrm{~S}$ | E | E |  | M | 0 | B |  |  | L | E |  | E |  | D |
|  |  |  | ${ }^{46}$ | E |  |  |  | ${ }^{47}$ T | 0 | E |  |  |  |  |
| z | O | N | E | L |  | ${ }^{1}$ | E | W | , | R |  | ${ }^{54}$ | ${ }^{55}$ |  |
| E | v |  | L |  | ${ }^{58}$ | A | B |  | N |  | 59 | A |  | E |
| R | E | N | T |  | A | T | O | N |  |  | ${ }^{52}$ | H |  | A |
| ${ }^{3}$ | R | E | S |  | ${ }_{4} \mathrm{~L}$ | 0 | N | N E | R |  | ${ }^{65} \mathrm{~T}$ | U | R | R |

## Puzzle 141

|  | E |  |  |  | 0 |  | C |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~S}$ | C | 0 | $\bigcirc$ | P | N | E | 0 |  |  | ${ }^{16}$ A | N |  |  |  |
| ${ }^{17} \mathrm{C}$ | 0 | N | D | 0 | ${ }^{18}$ T | E | A |  |  | ${ }^{19} \mathrm{~S}$ | L | O |  |  |
|  |  | ${ }^{20}$ T | A | $L^{21} \mathrm{~K}$ | O | F | T |  | ${ }^{22} \mathrm{E}$ | T | O | W |  |  |
|  | D | E |  | ${ }^{25}$ | P |  |  |  | ${ }^{26} \mathrm{M}$ | A | V |  |  |  |
| ${ }^{27}$ | A | M | R | 0 D |  | ${ }^{29}$ | N | ${ }^{31} \mathrm{D}$ |  |  | ${ }^{32} \mathrm{E}$ |  |  |  |
| ${ }^{33} \mathrm{~T}$ | Y | P | 0 |  | ${ }^{34} \mathrm{~S}$ | N | 0 | U | T ${ }^{3}$ | ${ }^{35}$ S |  |  |  |  |
|  |  | T | A | ${ }^{37}{ }^{38} \mathrm{E}$ | 0 | F | T |  | E | A | R |  |  |  |
|  |  |  | N | E W | B | 1 | E |  |  | 2 | A |  |  |  |
| S | A | M |  | ${ }^{47} \mathrm{P}$ | S | T |  | ${ }^{48} \mathrm{~B}{ }^{49}$ | ${ }^{49}$ | D | R |  |  |  |
| ${ }^{50} \mathrm{~A}$ | B | A | S | E |  |  | ${ }^{52}$ L | A | B |  | ${ }^{3}$ |  |  |  |
| $\stackrel{5}{5}$ | 0 | 1 | c | E ${ }^{55} \mathrm{O}$ | ${ }^{56} \mathrm{~F}$ | R | E | A |  | 0 | N |  |  |  |
| A | U | T | 0 | , | 0 | U |  |  | , | B | E |  |  |  |
| ${ }^{64} \mathrm{G}$ | N | A | T | ${ }^{5} \mathrm{~L}$ | O | N | G |  | R | O | S |  |  |  |
| ${ }^{5} \mathrm{E}$ | D | 1 | T | ${ }^{68}$ | L | T |  |  | ${ }^{69}$ | E | S | T | T |  |


|  | ${ }^{2} \mathrm{D}$ |  | S |  |  |  |  |  |  |  |  | D | D |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14}{ }^{\text {T }}$ | A | X |  |  | A | F | R | 0 |  | ${ }^{16} \mathrm{~A}$ |  |  |  |  |
| ${ }^{17}$ E | D | E | N |  | ${ }^{18} \mathrm{~S}$ | T | E | W |  | ${ }^{19} \mathrm{~F}$ | R | A |  |  |
| ${ }^{20} \mathrm{M}$ | A | c | K | ${ }^{21} \mathrm{~T}$ | H | E | K | N | ${ }^{22}$ I | F | E |  |  |  |
|  |  |  |  | ${ }^{23}$ | A | R |  |  | ${ }^{24} \mathrm{R}$ | E | M | A |  | D |
| ${ }^{\text {T }}$ | R | E | N | D |  |  | T | R | 0 |  |  | N | E | E |
| ${ }^{35} \mathrm{H}$ | E | L | 1 | 0 |  | ${ }^{36} \mathrm{C}$ | H |  | N | A |  | O | W | N |
| ${ }^{38} \mathrm{E}$ | B | 0 | N |  | 0 | R | A | L | S |  | ${ }^{40}$ B |  |  |  |
| ${ }^{41} \mathrm{~S}$ | U | P | , | R | B | 0 | w |  |  | ${ }^{3} \mathrm{R}$ | A | N |  |  |
| ${ }_{1}{ }_{1}$ | K | E |  | ${ }^{45}$ | 0 | P | S |  | ${ }^{46}$ | O |  | T | E |  |
| S | E | S | ${ }^{48} \mathrm{~A}$ | M | E |  |  | ${ }^{49}$ J | A | M |  |  |  |  |
|  |  |  | ${ }^{50}$ | A | , |  |  | O | N |  |  |  |  | ${ }^{56}$ E |
| C | R | O | 0 | N |  | ${ }^{60} \mathrm{~A}$ | N | K |  |  | A | R |  | D |
| ${ }^{52} \mathrm{H}$ | A | v | O | C |  | ${ }^{63} \mathrm{~S}$ | T | E |  |  | M |  | E |  |
| E | N | A | T | E |  | H | 0 | R | R |  | E | Z | R | A |

## Puzzle 143

| ${ }^{1} \mathrm{~S}$ |  |  |  |  | A |  | ${ }^{7} \mathrm{~A}$ | A ${ }^{8} \mathrm{M}$ | M |  |  |  | M | ${ }^{13} \mathrm{~B}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{C}$ | A | S | S | ${ }^{15} \mathrm{~F}$ | L | 0 | R | R | 1 D | D | ${ }^{16}$ | D | O | L |
| ${ }^{17} \mathrm{H}$ | 1 |  |  | ${ }^{18} \mathrm{C}$ | O | L | D | D | c 0 | O ${ }^{19} \mathrm{~m}$ | F | 0 | R | R |
| ${ }^{20} 1$ | C | E | ${ }^{21} \mathrm{~S}$ |  | T | O | U | L | R | B | E | M | A | A |
| ${ }^{24} \mathrm{~S}$ | H | E | O | ${ }^{25} \mathrm{~L}$ |  |  | ${ }^{26}$ | 0 | 0 | N A |  | ${ }^{28} \mathrm{E}$ | L | F |
| ${ }^{30} \mathrm{M}$ | 1 | S | S F | 0 | R | T | U | N |  |  | ${ }^{3}$ | T |  | R |
|  |  |  | ${ }^{34} \mathrm{~T}$ | R | 1 | E | S | S |  | T ${ }^{36}$ | E | E | z | E |
| R | ${ }^{38}$ E | C | c | 1 | P |  |  | S |  | $P$ A |  |  |  | D |
| ${ }^{41} \mathrm{~A}$ | L | O | N | S | 0 |  | ${ }^{42} \mathrm{P}$ |  | E A | A |  |  |  |  |
| ${ }^{13} \mathrm{M}$ | E | N | N S |  | ${ }^{44} \mathrm{~F}$ | O | R | R T |  | Y |  | ${ }^{46} \mathrm{~N}$ | E | R |
| P | C | s |  | A | F |  |  |  |  | ${ }^{51} \mathrm{~S}$ | N | 0 |  | R E |
|  | T | O | ${ }^{53} \mathrm{O}$ | N |  | N | 0 | ${ }^{55}$ T |  |  | ${ }_{\mathbf{G}}$ | 0 | A |  |
| H | 0 | L | D | T | H | E | E F | F 0 | O R |  |  | D | S | T |
| ${ }^{62}$ E | R | E |  |  | O | R | R E | E G | G 0 |  |  |  | E | 0 |
| ${ }^{65}$ E | S | S | E |  | ${ }^{6} \mathrm{~T}$ | Y | Y R | R A | A N | N |  | E | R | R |

## Puzzle 144

362 Part III: The Payoff: Checking Your Answers

| ${ }^{1} \mathbf{P}$ | E | ${ }^{3}$ G | ${ }^{4} \mathrm{~S}$ |  | M |  |  |  |  |  |  | A |  | N |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{O}$ | R | A | N |  | ${ }^{15} \mathrm{~T}$ | H | 0 | U |  | ${ }^{16} \mathrm{H}$ | E | N | N | A |
| ${ }^{17} \mathrm{M}$ | 0 | V | E | ${ }^{18} \mathrm{O}$ | V | E | R | D | ${ }^{19} \mathrm{~A}$ | R | L |  | N | G |
| ${ }^{20} \mathrm{~A}$ | D | I | E | U |  | ${ }^{21} \mathrm{M}$ | A | 1 | L | E | D |  |  |  |
| ${ }^{22} \mathrm{D}$ | E | A | R | 1 | H |  | ${ }^{24} \mathrm{Y}$ | 0 | D | A |  | H | 0 | P |
| ${ }^{28} \mathrm{E}$ | S | L |  | ${ }^{29} \mathrm{D}$ | A | B |  |  | ${ }^{31} \mathrm{O}$ | T | ${ }^{32} \mathrm{~T}$ | A | W | A |
|  |  |  | ${ }^{33} \mathrm{~S}$ | 1 | L | E | N | T |  |  | ${ }^{36} \mathrm{H}$ | U | L | L |
|  | $\mid \mathrm{H}$ | ${ }^{38} \mathrm{E}$ | A | D | 0 | V | E | R | ${ }^{39} \mathrm{H}$ | E | E | L | S |  |
| ${ }^{41} \mathrm{~K}$ | 1 | E | V |  |  | ${ }^{42} \mathrm{Y}$ | E | 0 | M | A | N |  |  |  |
| ${ }^{43} \mathrm{~A}$ | L | L | , | G | ${ }^{45}$ |  |  | ${ }^{46} \mathrm{D}$ | 0 | S |  | F | 1 | ${ }^{9}$ |
| ${ }^{50} \mathrm{Y}$ | 0 | S |  | ${ }^{51} \mathrm{~A}$ | L | $0$ | E |  | ${ }^{54} S$ | T | ${ }^{55} \mathrm{E}$ | R | N | E |
|  |  |  | S | L | E | D | G | E |  | ${ }^{58} \mathrm{E}$ | V |  | T | A |
| M | $0$ | 0 | N | 0 | V | E | R | P | A | R | A | D | 0 | R |
| ${ }^{63}$ | N | A | 1 | R |  | ${ }^{4} \mathrm{~T}$ | E | E | M |  | ${ }^{65} \mathrm{D}$ | A | N | E |
| ${ }^{66}$ B | E | T | T | E |  | ${ }^{67} \mathrm{~S}$ | T | E | P |  | ${ }^{68} \mathrm{E}$ | Y | E | D |

## Puzzle 145

|  |  | E | ${ }^{4} \mathrm{~S}$ |  |  |  |  |  |  |  | C | R |  | B |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{P}$ | 1 | T | Y |  | ${ }^{15} \mathrm{~A}$ | R | E | N |  |  | ${ }^{16} \mathrm{H}$ | 0 | B |  |  |
| ${ }^{17} 1$ | V | A | N |  | ${ }^{18} 1$ | R | 1 | S |  | ${ }^{19}$ L | 1 | N |  |  |  |
| ${ }^{20} \mathrm{C}$ | 0 | L | 0 | ${ }^{21} \mathrm{~S}$ | S | A | L |  |  | ${ }^{22}$ | N |  |  |  |  |
|  |  |  | ${ }^{23}$ | 0 | E | T |  | ${ }^{24} \mathrm{~A}$ | ${ }^{25}$ | S | 0 |  |  |  |  |
|  | E | ${ }^{28} \mathrm{~L}$ | S | H | R | A | ${ }^{29} \mathrm{~B}$ | B | 1 | T |  | S |  | S |  |
| ${ }^{33} \mathrm{H}$ | E | L | I | 0 |  |  | ${ }^{34} \mathrm{~A}$ | L | L |  |  | P |  |  |  |
| ${ }^{36}$ E | R | A | S |  | B | ${ }^{38} \mathrm{E}$ | S | E |  |  | ${ }^{39} \mathrm{~J}$ |  |  |  |  |
| A | 1 | M |  | M | A | G |  |  |  | ${ }^{42} \mathrm{~S}$ | 0 | R | E |  |  |
| ${ }^{13} \mathrm{~T}$ | E |  |  | ${ }^{44} \mathrm{E}$ | N | G | L |  | ${ }^{46}$ S | H | H |  |  |  |  |
|  |  |  | ${ }^{4} \mathrm{O}$ | D | D | S |  | ${ }^{48} \mathrm{~N}$ | E | 0 | N |  |  |  |  |
| E | N | N | U |  |  |  | ${ }^{52} \mathrm{~B}$ | A | R | E | B | A | ${ }^{54}$ | ${ }^{5} \mathrm{~K}$ |  |
| ${ }^{56}$ S | C | 0 | T |  |  |  | A |  |  |  | ${ }^{59}$ | R | A |  |  |
| M | A | U | D |  | ${ }^{1} \mathrm{M}$ | A | R | 1 | N |  | L |  | R |  |  |
| E | R | N | 0 |  | S | P | R | E | E |  | ${ }^{\text {L }}$ | A | T | T | E |


|  | O |  |  |  |  |  | R | ${ }^{7} \mathrm{~A}$ | ${ }^{8} \mathrm{D}$ |  |  |  | C |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{13}$ | R | A | ${ }^{14} \mathrm{Q}$ |  | A | R | E | N | A |  | O | N | O |  |
| ${ }^{17}$ | E | T | U | ${ }^{18} \mathrm{~S}$ | L | 0 | A | N | Y | ${ }^{19} \mathrm{O}$ | U | T | H | E |
| ${ }^{20} \mathrm{E}$ | M | A | 1 | L |  | P | R | E | 0 | P |  | R | E | C |
|  |  |  | ${ }^{23} \mathrm{~V}$ | A | M | P | S |  |  | ${ }^{25}$ | ${ }^{26}$ | 0 | N | T |
| ${ }^{27} \mathrm{M}$ | O | N | E | Y | Y | 0 | U | N | ${ }^{31} \mathrm{E}$ | E | D |  |  |  |
| ${ }^{32} \mathrm{~A}$ | D | 0 | R | E | S |  | ${ }^{3}$ | O | V |  | ${ }^{4}$ E |  | A | ${ }^{37} \mathrm{D}$ |
| ${ }^{8}$ | 0 | R |  | R | T | E |  | B |  | ${ }^{42}$ |  | A | W | E |
| ${ }^{4} \mathrm{E}$ | R | M | A |  | ${ }^{16}$ | D | ${ }^{47}$ I |  | ${ }^{48} \mathrm{~L}$ |  | S | B | 0 | N |
|  |  |  | T | ${ }^{51}$ | c | 0 |  | ${ }^{52} \mathrm{P}$ | L | E |  |  |  |  |
| c | R | ${ }^{55} \mathrm{~A}$ | M | S |  |  | ${ }^{56} \mathrm{~B}$ | A | Y | 0 | U |  |  |  |
| , | E | R |  |  | $\mathbf{H}^{60}$ |  | R |  |  |  | R | E |  | ${ }^{64} \mathrm{~s}$ |
| G | E | T | ${ }^{66} \mathrm{Y}$ | 0 | U | 0 | U |  | 7 | F | D | E | B |  |
| ${ }^{68} \mathrm{~A}$ | V |  | S |  | S | N | E | E | R |  |  |  | A |  |
| ${ }^{71} \mathrm{R}$ | E | E | L |  | H | E | D | D | A |  |  | E | R |  |

Puzzle 147

|  | T |  |  |  |  |  | T |  |  |  |  | N | O |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| E | R | A |  | 0 | V | E | R |  |  | E | N | 0 | L | A |
| ${ }^{17} \mathrm{~A}$ | 1 | T |  | ${ }^{18} \mathrm{~S}$ | E | E | Y |  | ${ }^{19}$ | L | A |  |  |  |
| ${ }^{20} \mathrm{~L}$ | 0 | 0 | ${ }^{21} \mathrm{~S}$ | E | N | S |  | ${ }^{22} \mathrm{~A}$ | A N | E | W |  |  |  |
| ${ }^{23} \mathrm{E}$ | D | 1 | T |  | G | E |  |  | ${ }^{26}$ |  | E | T | H | E |
| ${ }^{30}$ | E | S | 1 | R | E |  | ${ }^{32} \mathrm{~A}$ | ${ }^{33} \mathrm{~s}$ |  |  |  | ${ }^{34}$ |  | E |
|  |  |  | ${ }^{35} \mathrm{~F}$ | A | R | ${ }^{36} \mathrm{E}$ | T |  | H E | E | W | E |  |  |
| ${ }^{39} \mathrm{~S}$ | ${ }^{\text {T }}$ | ${ }^{41}$ | L |  |  | ${ }^{42} \mathrm{G}$ | T |  |  | ${ }^{43} \mathrm{R}$ |  | N |  | s |
| ${ }^{44} \mathrm{H}$ | A | V | E | A | ${ }^{4} \mathrm{G}$ | 0 | 0 | D | ${ }^{46}$ | N | E |  |  |  |
| ${ }^{47} \mathrm{~A}$ | L | A |  |  | ${ }^{18}$ | S | O |  | 49 | E | L | ${ }^{50}$ |  | S |
| ${ }^{3} \mathrm{M}$ | E | N | ${ }^{4}$ | C | E |  | ${ }^{56}$ S |  |  |  | D |  | A | A |
|  |  |  | M | 0 | S | T |  | N | N | ${ }^{62}$ I | S | 0 | M | E |
|  | A | ${ }^{5}$ | P | Y | T |  | R ${ }^{66}$ |  | 1 L |  |  | N |  | D |
| ${ }^{68} \mathrm{~A}$ | T | 0 | L |  |  | ${ }^{69}$ | N | T | T E |  |  | ${ }^{70} 1$ | R | R |
| ${ }^{1} \mathrm{D}$ | E | W | E | Y |  | ${ }^{2} \mathrm{P}$ | A | S | s S | E |  | ${ }^{73} \mathrm{C}$ | A | A |

## Puzzle 148

364 Part III: The Payoff: Checking Your Answers $\qquad$

| ${ }^{1} \mathrm{~s}$ | L | ${ }^{3} \mathrm{U}$ |  |  |  | H |  |  |  | ${ }^{9} \mathrm{~A}$ |  | T | O |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~T}$ | 0 | N | E |  | T | A | R | R |  | ${ }^{16} \mathrm{~S}$ | T | 0 | U | T |
| ${ }^{17} \mathrm{~A}$ | 1 | D | A |  | ${ }^{18} \mathrm{~A}$ | L |  | A |  | ${ }^{19} \mathrm{~W}$ | A |  |  |  |
| ${ }^{20} \mathrm{~F}$ | R | E | D | ${ }^{21}$ D | Y | F | E | N | ${ }^{22} \mathrm{D}$ | E | R |  |  |  |
| ${ }_{5}$ | E | R | M | 1 | S |  |  |  | ${ }^{24} \mathrm{~A}$ | L | L | ${ }^{25}$ |  | T S |
|  |  |  | ${ }^{8} \mathrm{I}$ | N | A | ${ }^{29}$ | ${ }^{30}$ | ${ }^{31} \mathrm{O}$ | D | L | 1 | G | H | H |
| C | H | A | T |  | ${ }^{35}$ | 0 | 0 | N | E |  | ${ }^{36}$ T | R |  |  |
| H | 0 | G |  |  |  | ${ }^{38} \mathrm{~T}$ | H | H E |  |  |  | ${ }^{\text {E }}$ |  | R |
| E | 0 | N | ${ }^{41} \mathrm{~S}$ |  | ${ }^{42}$ L | 1 | E | N | ${ }^{43} \mathrm{~S}$ |  | ${ }^{4} \mathrm{O}$ |  |  |  |
| ${ }^{45}$ | H | E | E | ${ }^{46}$ L | A | N | D | D | E | ${ }^{7}$ A | L |  |  |  |
| ${ }^{8} \mathrm{~S}$ | A | W | R | E |  |  |  |  | ${ }^{19} \mathrm{C}$ | E | D | R |  | $1{ }^{52} \mathrm{C}$ |
|  |  |  | ${ }^{3} \mathrm{P}$ | E | D | $5^{54} \mathrm{~A}^{5}$ |  | ${ }^{56} \mathrm{P}$ | U | S | H | E |  | R |
| R | E | N | E | w |  | ${ }^{60} \mathrm{R}$ | E | E A | L |  | A | T |  |  |
| ${ }^{62} \mathrm{~A}$ | R | E | N | A |  | ${ }^{63}$ I | N | N | A |  | ${ }^{64} \mathrm{~N}$ | 1 |  | N |
| ${ }^{5}$ | E | T | T | Y |  | ${ }^{66}$ D | 0 | E | R |  | ${ }^{67}$ | E |  | A |

## Puzzle 149

|  | $2{ }^{2}$ | ${ }^{3} \mathrm{D}$ | ${ }^{4} \mathrm{O}$ |  |  |  |  | ${ }^{8} \mathrm{~A}$ | ${ }^{9} \mathrm{~L}$ |  |  | A | $10$ | ${ }^{15}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14}$ | P | E | C |  | O | R | A | A |  |  | ${ }^{16} \mathrm{~A}$ |  |  |  |
| ${ }^{17}$ T | E | A | T |  | ${ }^{18}$ W | A | L | L | S | ${ }^{19} \mathrm{~T}$ | R | E | E |  |
| ${ }^{20} \mathrm{E}$ | R | R | A | T | A |  |  | A | S | H |  | A |  |  |
| ${ }^{24} \mathrm{M}$ | A | Y | D | A | Y | S |  | ${ }^{26}$ S | E | R | F |  |  |  |
|  |  |  |  | ${ }^{28} \mathrm{~B}$ | 0 | A | ${ }^{29} \mathrm{~S}$ |  | ${ }^{30}$ |  | A | T |  | S |
| A | ${ }^{35}$ | 0 |  |  | ${ }^{38}$ | M | P | S |  | ${ }^{40} \mathrm{C}$ | U | R |  |  |
| ${ }^{41} \mathrm{~S}$ | U | N | S | E | T | B | 0 | U | ${ }^{43} \mathrm{~L}$ | E | V | A |  |  |
| ${ }^{44} 1$ | N | T | E |  |  | A | R | R L | 0 |  | ${ }^{46}$ E |  |  |  |
| ${ }^{47}$ | G | 0 | R | A | ${ }^{48} \mathrm{~S}$ |  | ${ }^{49}$ | K | 0 | ${ }^{50} \mathrm{~S}$ |  |  |  |  |
|  |  |  | ${ }^{51} \mathrm{~S}$ |  | T | S |  | ${ }^{53} \mathrm{~S}$ | K | E | ${ }^{54}$ L |  | O | ${ }^{5} \mathrm{~N}$ |
|  | ${ }^{59} \mathrm{~S}$ | ${ }^{60} A$ |  | ${ }^{61} \mathrm{~N}$ | 0 | T |  |  | ${ }^{63} \mathrm{~A}$ |  | A | B |  |  |
| ${ }^{54} \mathrm{C}$ | A | N | ${ }^{65} \mathrm{~N}$ | E | R | Y |  | ${ }^{66} \mathrm{O}$ | W |  | ${ }^{67}$ | O |  |  |
| ${ }^{88}$ E | D | N | A |  | C | L | A | R |  |  | ${ }^{70}$ | N | E |  |
| ${ }^{1} \mathrm{~s}$ | E | E | N |  | H | E | N | R | R | Y | ${ }^{73} \mathrm{~S}$ | E | R | R A |


| SI | 0 | ${ }^{3}$ |  |  |  |  |  | ${ }^{8} \mathrm{M}$ | ${ }^{9} \mathrm{~S}$ |  | E | S | $i^{12} \mathrm{~T}$ | ${ }^{13} \mathrm{E}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | B | B | E |  | T | E | N | E | T |  | R | H | E |  |
| ${ }^{17}$ T | E | A | R | ${ }^{18} \mathrm{~J}$ | E | R | K | E | R |  | ${ }^{19} \mathrm{M}$ | 0 |  |  |
| ${ }^{20}$ | S | S | U | E |  | ${ }^{21}$ | L | T | E | R | 1 | 0 |  |  |
| ${ }^{23} \mathrm{~N}$ | E | E |  |  | ${ }^{25}$ | S | E |  | ${ }^{26}$ | A | N | T |  |  |
|  |  |  | ${ }^{27} \mathrm{C}$ | R | U | E | T | S |  | ${ }^{29}$ T | E | E | ${ }^{30}$ | ${ }^{31}$ |
| ${ }^{32}$ T | ${ }^{33}$ | ${ }^{4}$ | P | E | R |  | ${ }^{35}$ S | A |  |  |  | M |  |  |
| B | R | 0 | A | D | E | ${ }^{\mathrm{N}}$ |  | ${ }^{40} \mathrm{C}$ | A | ${ }^{41}$ | T | U |  |  |
| ${ }^{\text {A }}$ | C | T |  |  | ${ }^{4}$ | 0 | ${ }^{45} \mathrm{C}$ |  | C | 0 | 0 |  |  |  |
| ${ }^{47} \mathrm{R}$ |  | B | A | T |  | ${ }^{50}$ | E | L | E | T | E |  |  |  |
|  |  | O | B | 1 | T |  | ${ }^{4} \mathrm{~N}$ | A | s | A |  | S |  | G |
|  | M |  | s | c |  | S | T | S |  |  | U | T | O |  |
| G | A | L | E |  | ${ }^{3}$ | 0 | R | S | ${ }^{4}$ E | 0 | P | E | R |  |
| ${ }^{65}$ | M | E | N |  | ${ }^{6}$ | N | A | 1 | R |  | 0 | R | T |  |
| B | E | R | 1 |  | E | E | L | E | R |  | N | E | A | P |

Puzzle 151

|  | A | M |  |  |  | P | ${ }^{7} \mathbf{R}$ | ${ }^{8} 1$ | ${ }^{\text {a }}$ T |  |  | M | 0 | K |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{1} \mathrm{O}$ | B | 0 | E |  | ${ }^{15}$ | R | A | T | E |  | ${ }^{16}$ | A | N | N |
| G | L | U |  |  | ${ }^{18}$ | 1 | P | S | E | ${ }^{19} \mathrm{R}$ | V |  | C | c |
| ${ }^{20} \mathrm{~S}$ | E | T |  | ${ }^{21}$ T | E | N | T |  |  | ${ }^{22} \mathrm{H}$ | E | M |  | E N |
|  |  | ${ }^{23}$ | ${ }^{24} \mathrm{~A}$ | U | N | T |  | ${ }^{25}$ | ${ }^{26} \mathrm{H}$ | E | N |  |  |  |
| ${ }^{27}$ | N | 0 | 1 | N |  |  | T | H | E | A | T | E | R | $\mathrm{R}^{32} \mathrm{~S}$ |
| T | 0 | R | M | E |  | P | R | 0 | M | S |  | ${ }^{3} \mathrm{Y}$ |  |  |
| ${ }^{36}$ | 0 | G | S |  | ${ }^{37}$ | L | A |  |  |  | ${ }^{38}$ | E |  |  |
| ${ }^{39}$ | S | A |  | ${ }^{20} \mathrm{~F}$ | L | 1 | P |  |  | G | 0 | W | E |  |
| ${ }^{2} \mathrm{~S}$ | E | N | T | R |  | E | S |  | ${ }^{44} \mathrm{~F}$ | U | T |  |  |  |
|  |  |  | R | A |  | S |  | ${ }^{6} \mathrm{~F}$ |  | R | S |  |  |  |
| A | S | H | E | N |  |  | ${ }^{50} \mathrm{~A}$ |  | N |  |  | ${ }^{51} \mathrm{~N}$ |  | $1{ }^{53}$ |
| ${ }^{4}$ | H | 1 | N | C |  |  | L | L |  |  | , | E |  |  |
| 8 | 1 | N | D |  | ${ }^{59}$ | T | 0 |  |  |  | ${ }^{60}$ | S | E | E |
| $1{ }^{\text {E }}$ | N | D | S |  | ${ }^{6} \mathrm{G}$ | E | E | S | S |  | ${ }^{3}$ | S |  | A |

## Puzzle 152

$\qquad$

| ${ }^{1} \mathrm{~L}$ | ${ }^{2} \mathrm{O}$ | ${ }^{3} \mathrm{~F}$ | ${ }^{4} \mathrm{~T}$ |  |  | F |  |  |  |  | B |  | ${ }^{12}$ E | S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{I}$ | N | U | 1 | T |  | ${ }^{15} \mathrm{I}$ | 0 | W | A |  | ${ }^{16} \mathrm{R}$ | 0 | D | E |
| ${ }^{17} \mathrm{~S}$ | E | L | M | A |  | ${ }^{18} \mathrm{~F}$ | U | L | L | ${ }^{19} \mathrm{H}$ | 0 | U | S | E |
| ${ }^{20} \mathrm{P}$ | A | L | E | T | ${ }^{21} \mathrm{~T}$ | E | S |  | ${ }^{22} \mathrm{C}$ | 0 | N |  |  |  |
|  |  | ${ }^{23} \mathrm{~F}$ | L | U | 1 | D |  | ${ }^{24} \mathrm{~S}$ | 0 | R | T | ${ }^{25} \mathrm{E}$ | R | S |
| A | ${ }^{29} \mathrm{~S}$ | L | E | E | P |  | ${ }^{30} \mathrm{H}$ | A | L | D | E | M | A | N |
| ${ }^{31}$ L | 0 | E | S | S |  | G | E | T | M | E |  | ${ }^{33} \mathrm{P}$ | G | A |
| ${ }^{34} \mathrm{O}$ | L | D | S |  | B | 0 | R | A | X |  | ${ }^{36}$ S | T | 0 | P |
| ${ }^{37} \mathrm{H}$ | A | G |  | N | E | R | D | Y |  | ${ }^{39} \mathrm{P}$ | A | Y | U | P |
| ${ }^{40} \mathrm{~A}$ | C | E | ${ }^{41} \mathrm{~T}$ | A | T | E | S |  | ${ }^{42} \mathrm{E}$ | 1 | G | H | T | Y |
| ${ }^{43} \mathrm{~S}$ | E | D | A | T | E | S |  | ${ }^{44} \mathrm{~A}$ | L | G | A | E |  |  |
|  |  |  | ${ }^{45}$ | T | L |  | ${ }^{46}$ S | U | 1 | T | C | A | S | E |
| E | $\mathrm{M}$ | $\mathbf{P}$ | T | Y | N | E | S | T |  | A | 1 | D | E | S |
| ${ }^{54} \mathrm{~L}$ | 0 | R | E |  | ${ }^{55} \mathrm{U}$ | N | T | 0 |  |  | T | E | M | S |
| ${ }^{57} \mathrm{~L}$ | E | E | R |  | ${ }^{58} \mathrm{~T}$ | 0 | S | S |  | ${ }^{59} \mathrm{~L}$ | Y | D | 1 | A |

## Puzzle 153

| ${ }^{1} \mathrm{R}$ |  |  |  |  |  | A |  |  |  |  | D | A | R |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14 | H | E | A | D |  | L | A | N | E |  | ${ }^{16} \mathrm{~A}$ |  |  |  |
| ${ }^{17} \mathrm{~N}$ | A | R | R | $0{ }^{1}$ | ${ }^{18}$ W | 1 | N | G | C ${ }^{1}$ | ${ }^{19} 1$ | R | C |  |  |
|  |  |  | ${ }^{20} \mathrm{D}$ | R | A | B |  |  | ${ }^{21} \mathrm{H}$ | A | R | O |  |  |
|  | E | E |  |  | ${ }^{25}$ | $1$ | ${ }^{26}$ | ${ }^{\text {A }}$ |  | ${ }^{28}$ | 0 | V |  |  |
| ${ }^{29} 1$ | N | D | E | ${ }^{31} \mathrm{C}$ | I | S | I | V | E |  | ${ }^{33}$ w | E |  |  |
| ${ }^{34} \mathrm{D}$ | 0 | N | N | A |  |  | ${ }^{35}$ | E | S | T |  |  |  |  |
|  |  | A | D | $\mathrm{Y}{ }^{3}$ | ${ }^{38}$ | ${ }^{39} \mathrm{~S}$ | A | A S | Q | , | A | R |  |  |
|  |  |  |  | ${ }^{43} \mathrm{~S}$ |  |  | M |  |  | ${ }^{44} \mathrm{~B}$ | L | A | K | ${ }^{45} \mathrm{E}$ |
| ${ }^{46}$ S | A |  | ${ }^{9}$ |  | ${ }^{50} \mathrm{E}$ | T | 1 | Q | U | E | T | T |  |  |
| ${ }^{53} \mathrm{~A}$ | L | A | N | ${ }^{54}$ |  | ${ }^{55}$ | N | U | G |  |  | ${ }^{56} \mathrm{~A}$ |  |  |
| N | O | G | G |  | ${ }^{8}$ |  |  | ${ }^{59} \mathrm{~A}$ | L ${ }^{6}$ | ${ }^{60} \mathrm{~T}$ | 0 |  |  |  |
| T | H | E | 1 | R | 0 | ${ }^{63} \mathrm{~N}$ | T | R |  | A | N | ${ }^{65}$ | L | E |
| E | A | R | N |  | R | 0 | A | A |  | ${ }^{70} \mathrm{~S}$ | T | A |  |  |
| ${ }^{1} \mathrm{E}$ | S | S | E |  | ${ }^{72} \mathrm{~A}$ | R | R T | T |  | ${ }^{7} \mathrm{~K}$ | 0 | R | E | A |


|  |  | D |  |  |  |  |  |  |  |  |  |  |  | S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~L}$ | A | U | R | A |  | S | E | E |  |  | ${ }^{16} \mathrm{M}$ | U | L | E |
| O | R | A | N | G | ${ }^{18} \mathrm{E}$ | $P$ | E | E | L |  | ${ }^{19} \mathrm{~A}$ | G |  |  |
|  | N | D |  |  | M |  |  | z | 1 | ${ }^{23} \mathrm{G}$ | z | A | G |  |
|  |  |  | ${ }^{24} \mathrm{C}$ | 0 | U | C |  |  | ${ }^{26}$ B | 0 | 0 | R |  |  |
| ${ }^{27}$ A | T | H | E | N | S |  | U | N | B | E | N | D |  |  |
| ${ }^{32} \mathrm{C}$ | R | U | D | E |  |  | ${ }^{33}$ | E | E |  |  | ${ }^{34} \mathrm{~A}$ |  | ${ }^{36}$ E |
| ${ }^{37}$ | O | L | E |  | R | ${ }^{39} \mathrm{E}$ | F | E | R |  | A |  |  |  |
| ${ }^{41} \mathrm{E}$ | T | A |  | ${ }^{\text {H2}}$ | O | P |  |  |  | ${ }^{43} \mathrm{C}$ | 0 | D |  |  |
|  |  | ${ }^{44} \mathrm{D}$ | 0 | T | T |  |  |  | ${ }^{46}$ | 0 | N |  |  |  |
|  | ${ }^{47}$ D | A | R | T | H |  | ${ }^{48} \mathrm{R}$ | ${ }^{\text {H }}$ | 1 | N | E |  |  |  |
| K |  | N | G | P |  | N |  | E | N | C |  | E | ${ }^{54} \mathrm{R}$ | ${ }^{55} \mathrm{~A}$ |
| ${ }^{56}$ | N | C | A |  | R | 0 | ${ }^{58}$ | E | G | A | R | D |  | N |
| ${ }^{\text {s00 }}$ T | E | E | N |  | ${ }^{61}$ A | G | E |  |  | ${ }^{62} \mathrm{v}$ | E | G | A |  |
| ${ }^{63} \text { E }$ | R | R | S |  | ${ }^{6}$ | S | T | S |  | E | D | E | M | A |

## Puzzle 155

|  | O | ${ }^{3} \mathrm{w}$ |  |  |  |  | R |  |  |  |  | R | ${ }^{12} \mathrm{~A}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | M | 1 | A |  | ${ }^{15} \mathrm{E}$ | T | U |  |  | ${ }^{16} 1$ | S | E | R | R E |
| ${ }^{17} \mathrm{G}$ | 1 | s | T | ${ }^{18} 0$ | F | T | H | E | M | A | T | T |  | R |
| ${ }^{20} \mathrm{E}$ | T | C |  | ${ }^{21} \mathrm{~S}$ | T | E | R | R | 0 |  | E | A | T | S |
|  |  | O | ${ }^{24} 1$ | L | E | R |  |  | B | ${ }^{26}$ |  | G | E | E |
|  | ${ }^{28} \mathrm{E}$ | N | T | O | R |  | ${ }^{29} \mathrm{E}$ | ${ }^{30} \mathrm{G}$ | 1 | S |  |  |  |  |
| ${ }^{31}$ | U | S | E |  |  | ${ }^{12}$ | G |  | L | E |  | H | ${ }^{34}$ | ${ }^{35} \mathrm{~S}$ |
| 36 | R | 1 |  | E | ${ }_{1}^{38}$ | N | G | R |  | D | ${ }^{39}$ | E | N | N T |
| ${ }^{40} \mathrm{E}$ | O | N |  | ${ }^{41} \mathrm{~A}$ | N | T | E |  |  |  | ${ }^{42} \mathrm{R}$ | A |  |  |
|  |  |  |  | ${ }^{43} \mathrm{~S}$ |  |  | D |  |  |  |  | R |  |  |
| B | ${ }^{47} \mathrm{~A}$ | $\frac{\left.\right\|^{48} \mathrm{~L}}{}$ | A | A T | A |  |  | ${ }^{50}$ L | E | A | S |  |  |  |
| ${ }^{51} \mathrm{~A}$ | D | A | M |  | ${ }^{2}$ | ${ }^{53} \mathrm{~A}$ | ${ }^{54}$ |  | R | S |  | ${ }^{55}$ | ${ }^{56} \mathrm{~A}$ | R |
| ${ }^{58} \mathrm{~S}$ | U | M | A | ${ }^{59}$ | D | S | U | B | S |  | A | N | C | E |
| ${ }^{61}$ E | L |  | T | E |  | H | E | R |  |  | , | E |  |  |
| ${ }^{64} \mathrm{~S}$ | T | A |  | D |  | E | L | A | , |  | ${ }^{66}$ | D | D | D |

## Puzzle 156

$\qquad$

|  | ${ }^{2}$ | ${ }^{3} \mathrm{O}$ | ${ }^{4} \mathrm{R}$ |  |  |  | 0 |  |  |  |  | B | E | E |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | C | N | E |  | ${ }^{15} \mathrm{~A}$ | 0 | N | E |  | ${ }^{16} \mathrm{M}$ | E | L | B | B A |  |
| ${ }^{17}$ T | H | E | P | ${ }^{18} \mathrm{E}$ | L |  | C | A | A ${ }^{19} \mathrm{~N}$ | B | R |  |  | E |  |
| ${ }^{20} \mathrm{~A}$ | S | S | E | N | T |  | ${ }^{21} E$ | L | 1 | A |  | M |  | R T |  |
|  |  |  | ${ }^{23} \mathrm{~A}$ | R |  | A |  |  | ${ }^{25}$ | R | ${ }^{2}$ |  |  |  |  |
| ${ }^{27}$ S | ${ }^{28} 1$ | T | T | 1 | N | G | D | $\square^{31} \mathrm{U}$ | C | K | S |  |  |  |  |
| O | D | E |  | ${ }^{33} \mathrm{C}$ | E | L | 1 | N | N E |  | D | A |  |  |  |
| A | L | A | M | 0 |  | ${ }^{40} \mathrm{~A}$ | s |  |  | S | A | L |  |  |  |
| $\stackrel{12}{12}$ | E | R | U |  | ${ }^{1} \mathrm{~A}$ | R | C | T | 1 | c |  | T |  |  |  |
|  |  |  |  | ${ }^{47} 0$ | N | E | S | 0 | M | E | ${ }^{48} \mathrm{D}$ |  |  |  |  |
| ${ }^{19}$ | ${ }^{50}$ | R | L |  | N |  |  | ${ }^{52}$ | A | N | E |  |  |  |  |
| A | T | E |  | ${ }^{54}$ |  | M | E |  | G | E | A | R |  | E D |  |
| W | H | E | R | E | E | A |  |  | E | S | D | A |  |  |  |
| ${ }^{64}$ L | E | V | E | R |  | R | 0 | A | A |  | E |  |  | A |  |
| ${ }^{67} \mathrm{~s}$ | L | E | D | S |  | E | S | P | Y |  | ${ }^{\mathrm{N}}$ | E | S | s |  |

## Puzzle 157

| ${ }^{1} \mathrm{G}$ | ${ }^{2}$ E | T | ${ }^{4} \mathrm{~S}$ |  |  |  |  | ${ }^{8} \mathrm{~A}$ |  |  | P | O | M |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{O}$ | R | A | L |  | ${ }^{15}$ | E | A | A |  |  | S | 0 |  |  |
| ${ }^{17}$ S | 1 | R | E |  | ${ }^{18} \mathrm{~A}$ | E | S | S 0 | P |  | ${ }^{19} \mathrm{~A}$ | L | G |  |
| ${ }^{20} \mathrm{H}$ | E | A | D | ${ }^{21}$ | F | S |  |  | E A | , |  | 0 |  |  |
|  |  |  |  | ${ }^{24} \mathrm{P}$ | T | A |  |  | ${ }^{25}$ | E | A | N |  |  |
| ${ }^{27}$ | ${ }^{28}$ | ${ }^{29}$ | ${ }^{30} \mathrm{~L}$ | A |  | ${ }^{31}$ w |  | D | E | A | N | G |  | E |
| E | N | D | A | L |  |  | ${ }^{36} \mathrm{C}$ | C A | A R | L | 0 |  |  |  |
| ${ }^{37}$ | E | A | S |  | ${ }^{8} \mathrm{~A}$ | D | O | B | B E |  | ${ }^{40}$ |  |  |  |
|  |  |  | T | ${ }^{45} \mathrm{E}$ | N | 0 | N |  | ${ }^{46}$ | A | N | D |  |  |
| S | ${ }^{49}$ | M | U | L | C | A | S |  |  | ${ }^{52}$ |  |  |  |  |
| ${ }^{53} \mathrm{H}$ | 0 | 0 | P | L | A |  |  |  | ${ }^{55}$ | K |  |  |  |  |
| ${ }^{56}$ A | D |  |  | ${ }^{57} \mathrm{~A}$ | S | ${ }^{58}$ | A | A | T A |  | ${ }^{\text {A }}$ | P |  | ${ }^{3} \mathrm{G}$ |
| ${ }^{54}$ | 1 |  | ${ }^{65}$ |  | T | O | R | R T |  |  | ${ }^{67}$ | U |  |  |
| ${ }^{68}$ E | Z | R | A |  | E | X | 1 | 1 L | E |  | ${ }^{70} \mathrm{~A}$ | R | E |  |
| R | E | N | - |  | ${ }^{72}$ | Y | D | E | E |  | ${ }^{73} \mathrm{R}$ | E | S | T |


|  |  | c |  |  |  |  |  |  |  |  | P | U | U |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | T | O | L | L |  | ${ }^{15}$ | G | 0 | R |  | ${ }^{16}$ | L |  |  |
| ${ }^{17}$ | E | V | E | L | ${ }^{18} \mathrm{H}$ | E | A | A | E | ${ }^{19} \mathrm{D}$ | N | E | S |  |
| ${ }^{20} \mathrm{~T}$ | R | E | F |  | O | D | D |  | A | E | N |  |  |  |
| ${ }^{23} \mathrm{~A}$ | 1 | R |  | ${ }^{24} \mathrm{~F}$ | R | Y |  | ${ }^{25} \mathrm{~A}$ | S | E | A |  |  |  |
|  |  | ${ }^{26}$ | ${ }^{27}$ L | A | N | E | ${ }^{28} \mathrm{G}$ | E | 0 | M | E |  |  |  |
| ${ }^{32}$ S | A | L | A | D |  |  | ${ }^{34}$ | R | N | S |  | ${ }^{35} \mathrm{R}$ |  |  |
| ${ }^{36}$ | R | A | P |  | T | ${ }^{8}$ | E | Y | S |  | ${ }^{39}$ | U |  |  |
| ${ }^{\text {A }}$ | c | T |  | ${ }^{41} \mathrm{R}$ | U | E | S |  |  | ${ }^{42} \mathrm{P}$ | 0 |  |  |  |
| ${ }^{13} \mathrm{~T}$ | H | E | ${ }^{41} \mathrm{C}$ | A | R | P | E |  |  | E |  | S |  |  |
|  |  |  | ${ }^{47} \mathrm{~A}$ | 1 | M | S |  | ${ }^{48} \mathrm{E}$ | A | R |  | P | ${ }^{50}$ |  |
|  | R | A | 1 | S | E |  | K | E | , |  | ${ }^{56}$ A | 0 | N |  |
| ${ }^{57} \mathrm{H}$ | A | M | M | E | R | ${ }^{58} \mathrm{~A}$ | N | D |  | ${ }^{59}$ I | C | K | L |  |
| ${ }^{60}$ | R | M |  |  |  | D | O |  |  | ${ }^{62} \mathrm{~S}$ | H | E | E |  |
| ${ }^{63} \mathrm{~L}$ | E | 0 | N |  | 54 | 0 | T | E |  | ${ }^{65} \mathrm{M}$ | - |  | N D |  |

## Puzzle 159

|  | B | E |  |  |  |  | ${ }^{7} \mathrm{~m}$ | $\bar{n}]^{8} \mathrm{P}$ |  |  | 0 | A | T |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{D}$ | 1 | E | U |  | ${ }^{15} \mathrm{O}$ | R | A | A | E |  | ${ }^{16} \mathrm{G}$ | N | A |  |
| D | A | R | T |  | R | 1 | C | E | R |  | ${ }^{19} \mathrm{E}$ | D | G |  |
| ${ }^{20} 1$ | F |  |  | ${ }^{21} \mathrm{~A}$ | D | A | H | A | M | M | E | R |  |  |
| ${ }^{23} \mathrm{C}$ | R | E | E | L |  |  | ${ }^{24}$ | D | 0 | R |  | ${ }^{5} \mathrm{E}$ | B | B |
| ${ }^{28} \mathrm{~T}$ | A | R | R | 1 | E | S |  | ${ }^{31} \mathrm{~S}$ |  | , | ${ }^{32} \mathrm{~F}$ | T | E |  |
|  |  |  |  | B | 0 | E | R |  |  |  | E | T | R |  |
| B | L | ${ }^{8}$ | ${ }^{3} \mathrm{w}$ | 1 | N | 1 | N | T | ${ }^{41} \mathrm{H}$ | ${ }^{42}$ E | W |  | N |  |
| L | 0 | V | E |  |  |  | ${ }^{44} \mathrm{~S}$ | E | A | A $T$ |  |  |  |  |
| ${ }^{45} \mathrm{~A}$ | B | E | T | , | ${ }^{47}$ E | ${ }^{8}$ |  | ${ }^{49} \mathrm{~A}$ |  | H | ${ }^{\text {E }}$ E | ${ }^{51}$ | ${ }^{52} \mathrm{~s}$ |  |
| H | E | R |  | ${ }^{55}$ | L | A | ${ }^{56}$ |  |  | E | L | M |  |  |
|  |  | P | ${ }^{59} \mathrm{E}$ | T | E | R | P |  |  | L | M | A | R |  |
| B | E | A | M |  | C | R | A | G |  |  | O | R | E |  |
| ${ }^{66}$ | R | 1 | M |  | T | E | R | R | E |  | ${ }^{68}$ | E | N | N |
| L | A | D | V |  | ${ }^{70} \mathrm{~S}$ | N | E | A | - |  | ${ }^{71} \mathrm{E}$ | T | E | E |

## Puzzle 160

370 Part III: The Payoff: Checking Your Answers $\qquad$

| T | ${ }^{2} \mathrm{E}$ | ${ }^{3} \mathrm{~A}$ | $]^{4} \mathrm{M}$ |  |  |  |  | ${ }^{8} \mathrm{P}$ |  |  |  | A | ${ }^{12} 1$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{O}$ | M | N | I |  | ${ }^{15} \mathrm{E}$ | T | N | N | A | ${ }^{16} \mathrm{E}$ | A | G | L |  |
| ${ }^{17} \mathrm{~N}$ | E | 0 | N |  | ${ }^{18} \mathrm{~A}$ | C | T |  |  | ${ }^{19} \mathrm{~A}$ | W | O |  |  |
| ${ }^{20} \mathrm{G}$ | E | T | 0 | ${ }^{21}$ | T | H | E | E | $\mathrm{H}^{22} \mathrm{O}$ | R | N |  |  |  |
| ${ }^{23} \mathrm{~A}$ | R | E | T | 0 | 0 |  | ${ }^{24} \mathrm{R}$ | R A | A P |  | M | A | S | S |
|  |  |  |  | ${ }^{29} 1$ | F | S |  |  | A | T | 0 | M |  |  |
| G | E | S | ${ }^{36} \mathrm{~T}$ |  | F |  |  | ${ }^{39} \mathrm{D}$ | L | E | W | 1 |  |  |
| ${ }^{\circ} \mathrm{H}$ | E | A | R | ${ }^{41} \mathrm{~T}$ |  | ${ }^{\text {L }}$ |  | E 1 |  | ${ }^{43} \mathrm{D}$ | E | N |  |  |
| ${ }^{14} \mathrm{O}$ | R | G | A | N | ${ }^{5}$ | 0 | N | N 0 | R |  | ${ }^{7}$ | E |  |  |
| ${ }^{48} \mathrm{~S}$ | 1 | E | S | T | A |  |  | ${ }^{49}$ |  | B |  |  |  |  |
| ${ }^{51}$ T | E | S | H |  | N |  |  |  | ${ }^{55}$ S | A | 1 | D |  | S ${ }^{59}$ |
|  |  |  | ${ }^{60} \mathrm{~T}$ | 1 | G | H |  | T ${ }^{62}$ A | A | A | D | R |  |  |
|  | ${ }^{64}$ A |  | A |  |  | G |  | B |  |  | A | $\cup$ |  | R A |
| ${ }^{68} \mathrm{~A}$ | T | 0 | L |  |  | 0 |  | $\checkmark$ E | N |  | H | 1 |  | G |
| ${ }^{1} \mathrm{R}$ | E | E | K | S |  | D | E | E |  |  | ${ }^{73} \mathrm{O}$ | D |  | E |

## Puzzle 161

| C |  |  |  |  |  |  |  | $\mathrm{A}^{8} \mathrm{~S}$ |  |  |  | R | ${ }^{1}$ | ' H |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14}$ | 1 | R | E |  | ${ }^{15}$ | P | D | 0 |  | 1 | D | 1 |  |  |
| ${ }^{17} \mathrm{R}$ | A | 1 | N | ${ }^{18}$ | R | O | 0 |  |  | ${ }^{19} \mathrm{D}$ | U | M | B | B |
| B | L | A | Z | 1 | N | G |  | S A | D | D |  |  |  |  |
|  |  |  |  | $\stackrel{22}{22}$ | T | E |  |  | E | A |  |  |  |  |
| ${ }^{24} \mathrm{~L}$ | A | S | ${ }^{7} \mathrm{~S}$ | 0 |  |  |  | $\mathrm{A}^{30} \mathrm{R}$ | L | $Y$ |  | R | E | ${ }^{33} \mathrm{D}$ |
| ${ }^{34} 1$ | C | E | A | G | E |  | ${ }^{36} \mathrm{~S}$ | S | U |  | P | A |  |  |
| T | H | E | F | 1 | R | ${ }^{39} \mathrm{E}$ | N | N | X | ${ }^{40} \mathrm{~T}$ | T |  |  |  |
| ${ }^{41} \mathrm{H}$ | E | R | E |  | ${ }^{2}$ | D | E |  | E | R | A | S |  |  |
| ${ }^{44}$ | D | S |  | ${ }^{45}$ | N | 0 |  | R |  | ${ }^{47}$ |  | E |  |  |
|  |  |  | ${ }^{48}$ | A | G |  |  | 49 | O | M |  |  |  |  |
|  |  | O | 0 | H | 0 |  | ${ }^{54} \mathrm{~T}$ | 0 | H | A | ${ }^{55} \mathrm{~N}$ | ${ }^{56} \mathrm{D} \mid$ |  | E |
| S | U | P | R | A |  | ${ }^{\circ} \mathrm{B}$ | 0 | T | A | N | 1 | C |  |  |
| ${ }^{61}$ | N | A | 1 | R |  | A | G | G | R |  | P |  | N |  |
| ${ }^{64}$ | A | L | S | A |  | R | 0 | D | E |  | ${ }^{5}$ | 1 | D | D |


| ${ }^{1} \mathrm{H}$ | E |  |  |  |  |  | A | N |  |  | S | A |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | L | O | E |  | ${ }^{15} \mathrm{~A}$ | 1 | R |  |  | ${ }^{16} \mathrm{O}$ | W | N |  |  |
| ${ }^{17} \mathrm{G}$ | A | V | E |  | ${ }^{18} \mathrm{~S}$ | T | Y | E |  | ${ }^{19} \mathrm{~S}$ |  |  |  |  |
| ${ }^{20} \mathrm{~S}$ | N | A | K | ${ }^{21} \mathrm{E}$ | C | H | A | R | M | E | R |  |  |  |
|  |  |  |  | ${ }^{23} \mathrm{~L}$ |  | E | N |  | ${ }^{24} \mathrm{~T}$ | U | L | ${ }^{25} 1$ |  | S |
| T | R | A | ${ }^{31}$ | L | S |  |  | P | A | R |  | ${ }^{33} \mathrm{~S}$ |  | E |
| R | A | B | B |  | T | F | U | R |  | ${ }^{37}$ | L | 0 |  |  |
| ${ }^{39}$ | P | A | L |  | ${ }^{40}$ | U | F |  | S |  | A |  |  |  |
| ${ }^{13} \mathrm{U}$ | P | S | E |  |  | D | 0 | G |  | ${ }^{\text {A }}$ | D | D |  |  |
| ${ }^{47}$ | E | E |  | ${ }^{8}$ | 0 | D |  |  | ${ }^{5} \mathrm{E}$ |  |  |  |  |  |
| ${ }^{51}$ | D | D | ${ }^{52}$ | E | S |  | ${ }^{3} \mathrm{C}$ | ${ }^{54} \mathrm{~A}$ | N | E |  |  |  |  |
|  |  |  | ${ }^{55}$ |  |  | H | A | N | D |  |  |  |  | ${ }^{60} \mathrm{~S}$ |
| ${ }^{51}$ | ${ }^{62}$ | ${ }^{63} \mathrm{~L}$ | E | S |  | U | R | G |  |  | E | C |  |  |
| ${ }^{66}$ | U | 1 | L |  |  | S | L | U | R |  | R | 0 | A |  |
| ${ }^{69}$ | 1 | L | L | S |  | H | O | S | , |  | ${ }^{\text {A }}$ | N | T | T E |

## Puzzle 163

| ${ }^{1} \mathrm{~S}$ | ${ }^{2} \mathrm{~L}$ | ${ }^{3} \mathrm{~A}$ | ${ }^{4} \mathrm{~N}$ |  |  |  |  |  | ${ }^{9} \mathrm{~A}$ |  | ${ }^{11} \mathrm{~B}$ | ${ }^{12} \mathrm{~A}$ | R |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{O}$ | U | S | E | L |  | ${ }^{15} \mathrm{~A}$ | D | 0 | S | ${ }^{1}$ | U | S | E |
| ${ }^{17} \mathrm{O}$ | S | S | 1 | A |  | ${ }^{18} \mathrm{~B}$ | O | 0 | T ${ }^{19} \mathrm{C}$ | A | M | P | S |
| ${ }^{\text {T }}$ | H | U | N | D | ${ }^{21}$ E | R | S | T | R | C | K |  |  |
| ${ }^{22} \mathrm{H}$ | E | M |  | ${ }^{23} 1$ | L | E |  | B | O B |  | ${ }^{5}$ | U | T |
| ${ }^{28} \mathrm{E}$ | R | E |  | ${ }^{29}$ | R | A | $\mathrm{A}^{30} \mathrm{~T}$ | E | ${ }^{31} \mathrm{~S}$ | ${ }^{32} \mathrm{E}$ | E | P | S |
|  |  |  | ${ }^{33} \mathrm{~A}$ | L | E |  | ${ }^{34} \mathrm{H}$ | E | H | ${ }^{36}$ T | E | A | K |
|  |  | ${ }^{37} \mathrm{R}$ | A | 1 | N | ${ }^{8}$ | 0 | R | $E{ }^{39} \mathrm{~S}$ | T | S |  |  |
|  | ${ }^{41} \mathrm{~T}$ | A | H |  | ${ }^{42}$ | R | R |  | ${ }^{43} \mathrm{~B}$ | U |  |  |  |
| ${ }^{44} \mathrm{~N}$ | 0 | M | S | G |  | ${ }^{46}$ | N |  | R |  | ${ }^{8}$ | 1 | T |
| ${ }^{51}$ D | E | $B$ |  | ${ }^{\text {A }}$ | ${ }^{53} \mathrm{C}$ | T |  | R | O |  | ${ }^{55}$ | N | A |
|  |  | , | ${ }^{57}$ | G | H | T | ${ }^{58} \mathrm{~N}$ | 1 | N G | F | A | S |  |
| ${ }^{60} \mathrm{O}$ | ${ }^{61}$ | E | R | S | L | E | E | P | ${ }^{62}$ | A | T | A | T |
| ${ }^{63} \mathrm{~N}$ | 0 | 0 | K |  | 0 | R | A | L | ${ }^{65}$ | R | 1 | N | E |
| ${ }^{96} \mathrm{O}$ | w | N | S |  | E | S | T | E | z | 0 | N | E | D |

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| ${ }^{1} \mathrm{C}$ | R | ${ }^{3} \mathrm{O}$ | C |  | ${ }^{5} \mathrm{C}$ |  | ${ }^{7} \mathrm{R}$ | ${ }^{8} \mathrm{C}$ |  |  | S |  | 0 | T |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{H}$ | 0 | U | R |  | ${ }^{15} \mathrm{E}$ | N | A | C | T |  | ${ }^{16}$ | E | A | R |
| ${ }^{17} \mathrm{O}$ | U | T | T | ${ }^{18} \mathrm{O}$ | L | U | N | C | H |  | ${ }^{19} \mathrm{~A}$ | N | T | 1 |
| ${ }^{20} \mathrm{R}$ | E | D | S | H | 1 | R | T |  | ${ }^{21}$ | ${ }^{22} \mathrm{~A}$ | N | D | H | 0 |
| ${ }^{23} \mathrm{D}$ | S | 0 |  | ${ }^{24} \mathrm{~A}$ | C | E |  | ${ }^{25} \mathrm{P}$ | E | R | K |  |  |  |
|  |  |  | ${ }^{26} \mathrm{~B}$ | R | A | D | ${ }^{27} \mathrm{P}$ | 1 | T | T |  | ${ }^{\text {A }}$ | G | E |
| ${ }^{31} \mathrm{O}$ | P2 | ${ }^{33} \mathrm{E}$ | R | A |  |  | ${ }^{34} \mathrm{~L}$ | E | 1 |  | ${ }^{35} \mathrm{C}$ | L |  | P |
| ${ }^{36} \mathrm{M}$ | A | D | A | S | ${ }^{37} \mathrm{~A}$ | M | A | R | C | ${ }^{39} \mathrm{H}$ | H | A | R | E |
| ${ }^{40} \mathrm{~A}$ | L | A | N |  | ${ }^{1} \mathrm{~V}$ | A | T |  |  | ${ }^{42} \mathrm{~A}$ | I | S | L | E |
| ${ }^{43} \mathrm{~N}$ | 0 | M |  | ${ }^{44}$ B | 1 | G | A | ${ }^{45}$ | ${ }^{46} 1$ | S | T |  |  |  |
|  |  |  | ${ }^{47} \mathrm{~A}$ | L | A | 1 |  | ${ }^{48} \mathrm{~A}$ | N | S |  | S | D | 1 |
| ${ }^{52} \mathrm{~A}$ | ${ }^{3} \mathrm{~L}$ | ${ }^{54} \mathrm{C}$ | 0 | T | T |  | ${ }^{55}$ I | N | C | L | ${ }^{56}$ I | N | E | D |
| ${ }^{57} \mathrm{~N}$ | E | A | R |  | ${ }^{58} \mathrm{O}$ | ${ }^{59} \mathrm{~F}$ | F | T | H | E | W | A | L | L |
| ${ }^{60} \mathrm{~K}$ | A | N | T |  | $\mathbf{R}$ | 1 | F | L | E |  | ${ }^{62} \mathrm{~A}$ | C | H | E |
| ${ }^{63} \mathrm{~A}$ | R | E | A |  | ${ }^{64} \mathrm{~S}$ | T | Y | E | S |  | ${ }^{65}$ S | K | 1 | D |

Puzzle 165

|  | ${ }^{2} \mathrm{~A}$ | F |  |  |  |  | ${ }^{7} \mathrm{G}$ | G ${ }^{8} \mathrm{M}$ | M ${ }^{9} \mathrm{~A}$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{E}$ | N | 0 | L |  | ${ }^{15}$ | N | R | R A | A M | P |  | ${ }^{16} \mathrm{P}$ | U | N |
| ${ }^{17} \mathrm{D}$ | 0 | w | N | ${ }^{18} \mathrm{~T}$ | O | E | A | A R | T | H |  | ${ }^{19} 1$ | N | G |
| ${ }^{20} \mathrm{E}$ | X | L | 1 | B | R | 1 | S |  | ${ }^{21} \mathrm{R}$ | E | ${ }^{22} \mathrm{~N}$ | N |  | E |
|  |  |  | ${ }^{23} \mathrm{~N}$ | A | B |  |  |  | A | R | 0 | T |  |  |
|  | ${ }^{25} \mathrm{C}$ | ${ }^{6} \mathrm{H}$ | 0 | R | E |  | ${ }^{27}$ B |  | K | E | S | H | ${ }^{28}$ | ${ }^{29}$ |
| ${ }^{30}$ | E | 0 |  | ${ }^{31} \mathrm{~S}$ | L | ${ }^{32} \mathrm{O}$ |  |  | N | ${ }^{33} \mathrm{~S}$ | 1 | E | V |  |
| ${ }^{34}$ | L | L | S |  | L | A | R | G | G ${ }^{37} \mathrm{E}$ |  | R | A | 1 | N |
| M | E | D | E | A |  | T | R | R E | N | ${ }^{42} \mathrm{D}$ |  | ${ }^{43} \mathrm{I}$ | N | N |
| ${ }^{44}$ | B | S | E | N | T | E | E |  | ${ }^{46}$ | 0 | R | R |  |  |
|  |  | ${ }^{18} \mathrm{~W}$ | 1 | N | E |  |  | N | N 0 | P | E |  |  |  |
| ${ }^{\text {c }}$ | R | A | T | E | R |  | H |  | O M |  | F | R | ${ }^{54}$ E | ${ }^{55}$ |
| ${ }^{56}$ | A | T |  | T | R | ${ }^{58}$ I | A | A L | L B | Y | F | 1 | R | E |
| ${ }^{59}$ | V | E |  | T |  | D | A | A | T E |  | E | V | 1 |  |
| ${ }^{52}$ | 1 | R |  | ${ }^{63} \mathrm{E}$ | R | A | S | E | E D |  | ${ }^{64}{ }^{6}$ | E | N | Y |

Puzzle 166

|  |  |  |  |  |  |  |  | ${ }^{\text {A }}$ 8 |  |  | S | I | G |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | x |  | S |  | ${ }^{15}$ | E | K | K 0 | O E |  | K | N | E | E |
| ${ }^{17}$ | E | S | T | ${ }^{18} \mathrm{~A}$ | U | R | A | A N | ${ }^{-}$T | ${ }^{19}{ }^{19}$ | 1 | L | L | S |
|  |  |  | ${ }^{20} \mathrm{~A}$ | L | D | 0 |  | 1 |  | 0 |  | E | A | T |
| ${ }^{23}$ E | ${ }^{24}$ | ${ }^{5} \mathrm{~A}$ | T | E |  | ${ }^{26}$ | A |  |  | c | U | T | T | 0 |
| ${ }^{\text {30 }} \mathrm{D}$ | 1 | R | E | c | ${ }^{31} \mathrm{~T}$ | A | T |  | T ${ }^{32} \mathrm{~A}$ | C | K |  | O | N |
| G | E | M |  | ${ }^{34} \mathrm{~S}$ | A | T | E |  | ${ }^{35} \mathrm{G}$ | E | E |  |  |  |
| ${ }^{36}$ E | N | Y | ${ }^{37} \mathrm{~A}$ |  | B | E |  |  |  |  | ${ }^{40} \mathrm{~S}$ | 0 |  | E |
|  |  |  |  | A | 0 |  | ${ }^{46}$ | O | N |  |  | T | A | A |
| A | N | 0 | P | P | 0 | N | E | N | N T | S | K |  | N |  |
| D | E | C | 0 | R |  | ${ }^{55}$ | R | G |  | P | E |  |  |  |
| O | W | E |  | ${ }_{8}^{8}$ | ${ }^{\text {A }}$ | R |  |  | $\mathrm{S}{ }^{61} \mathrm{~T}$ | E | T |  |  |  |
| B | A | L | ${ }^{63} \mathrm{~A}$ | N | C | E | S | S P | A | R | T | N | ${ }^{66}$ E | ${ }^{67}$ R |
| ${ }^{88}$ | G | 0 | S |  | T | E | E | U | U |  | ${ }^{70} \mathrm{~L}$ | A | K | E |
| ${ }^{1} \mathrm{~S}$ | E | T | H |  | ${ }^{72} \mathrm{~S}$ | N | A | A R | R E |  | ${ }^{73} \mathrm{E}$ | Y | E | D |

Puzzle 167

| ${ }^{1} \mathrm{~A}$ | ${ }^{2} \mathrm{~N}$ | ${ }^{3} \mathrm{~N}$ | ${ }^{4} \mathrm{O}$ |  | P |  |  | $\mathrm{N}^{8} \mathrm{D}$ |  |  |  |  | R | ${ }^{13} \mathrm{~N}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~B}$ | E | E | P |  | ${ }^{15} \mathrm{~A}$ | L | 0 | E | S |  | ${ }^{\circ} \mathrm{O}$ | V | A |  |
| ${ }^{17}$ L | 0 | W | E | ${ }^{18} \mathrm{R}$ | S | O | N | , E | S | ${ }^{19} \mathrm{~V}$ | 0 | 1 | C | E |
| ${ }^{20}$ | N | T | R | U | S | T | E | D |  | ${ }^{21} \mathrm{E}$ | N | D | E | R |
|  |  |  | ${ }^{2}$ | B | A |  |  |  | ${ }^{23} \mathrm{~A}$ | L | E |  |  |  |
| ${ }^{24}$ | 1 | ${ }^{6} \mathrm{M}$ |  | R | 0 | ${ }^{28} \mathrm{M}$ | A | ${ }^{30} \mathrm{~N}$ | 1 | A |  | A | ${ }^{32}$ D | ${ }^{33} \mathrm{~s}$ |
| ${ }^{34} \mathrm{~A}$ | L | 1 | B | 1 |  | ${ }^{36}$ | C | E | D |  | $\checkmark$ | N |  |  |
| R | E | D | U | C | E | S | T | H | E | ${ }^{10} \mathrm{P}$ | R | 1 |  |  |
| M | U | D | D |  | ${ }^{42} \mathrm{P}$ | 0 | 0 | R |  | ${ }^{43} \mathrm{O}$ | N | S | E |  |
| ${ }^{44}$ | M |  |  | D | 1 | S | R | $\checkmark$ | ${ }^{46}{ }^{4}$ |  |  | ${ }^{7}$ |  |  |
|  |  |  | ${ }^{48} \mathrm{~S}$ | E | c |  |  |  | ${ }^{49} \mathrm{~A}$ | A | H |  |  |  |
| E | P | S | 0 | M |  | ${ }^{54} \mathrm{~V}$ |  | ${ }^{56}$ E | N | T | $\begin{array}{\|l\|} \hline 1 \\ \hline \end{array}$ | A | ${ }^{58} \mathrm{~N}$ | ${ }^{59} \mathrm{E}$ |
| D | E | c | L |  | N | E | S | A | N | 0 | F | F | E | R |
| G | L | U | E |  | ${ }^{63}$ | G | 1 | V | E |  | 1 | R | A | N |
| E | F | T | S |  | w | A | N | E | D |  | S | 0 | P | S |

$\qquad$

| P |  |  |  |  |  |  |  |  |  |  |  |  | M | ${ }^{13}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | F | A | R |  | O | N | E | A |  | ${ }^{16} \mathrm{~A}$ | v | 1 | A | N |
| ${ }^{17} \mathrm{P}$ | 0 | R | T |  | ${ }^{18} \mathrm{G}$ | O | B | S |  | ${ }^{19} \mathrm{R}$ | E | M | 1 |  |
|  |  |  | ${ }^{20} \mathrm{~F}$ | ${ }^{21}$ | 0 | L | 1 | S | ${ }^{22} \mathrm{H}$ | P | R |  | D | E |
| ${ }^{23} \mathrm{~A}$ | ${ }^{24} \mathrm{D}$ | E | U | X |  |  | R | E | 0 | 1 | L |  |  |  |
| ${ }^{27}$ S | 1 | L | L | Y | ${ }^{28}$ | ${ }^{29} \mathrm{U}$ | T | T |  |  | ${ }^{\text {¢ }}$ A | ${ }^{31} \mathrm{~S}$ | P | S |
| $\stackrel{3}{34}$ | A | M |  | G | U | S | H |  |  | S | P | 1 | R | 0 |
| A | L | 1 |  | ${ }^{8} \mathrm{E}$ | N | E |  | ${ }^{3} \mathrm{~W}$ | ${ }^{40} \mathrm{H}$ | 0 |  | E | 0 |  |
| M | 0 | R | ${ }^{43} \mathrm{~A}$ | N |  |  | ${ }^{4} \mathrm{~S}$ | E | A |  |  | ${ }^{45} \mathrm{~S}$ | T | A |
| E | G | A | D |  |  | ${ }^{48}$ | M | B | w | A | 1 | T | E | R |
|  |  |  | ${ }^{50} \mathrm{~A}$ | L | 0 | N | E |  |  | C | R |  | M | S |
| ${ }^{53} \mathrm{~B}$ | A | L | M | Y | W | E | A | ${ }^{6} \mathrm{~T}$ | ${ }^{57}$ | E | R |  |  |  |
| ${ }^{8} \mathrm{O}$ | C | E | A | N |  | ${ }^{59} \mathrm{~A}$ | R | E |  |  |  |  | ${ }^{62}$ |  |
| ${ }^{54}$ | R | A | N | C |  | ${ }^{65} \mathrm{~S}$ | E | T |  |  | P | A |  |  |
| F | 0 | R | T | H |  | ${ }^{688}$ E | D | E | N |  | ${ }^{69}$ | R | E | K |

Puzzle 169

|  | R | ${ }^{3} \mathrm{O}$ | ${ }^{4} v$ | ${ }^{5} \mathrm{E}$ |  | B |  | $L^{8} 0$ | ${ }^{9}$ B |  |  |  | 1 | ${ }^{13} \mathrm{~S}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{R}$ | E | S | 1 | N |  | ${ }^{15} \mathrm{~A}$ |  | 1 D | D | E | ${ }^{16}$ | A | c | S |
| ${ }^{17} \mathrm{~A}$ | $v$ | A | S |  |  | ${ }^{18} \mathrm{R}$ | E | E | E D | D | ${ }^{19} \mathrm{E}$ | K | E | S |
| ${ }^{20} \mathrm{~S}$ | U | G | A | R | ${ }^{21} \mathrm{~A}$ | N | D | D 5 | S P | $\mathrm{P}^{22} \mathrm{I}$ | C | E |  |  |
| S | E | E |  | ${ }^{24} \mathrm{~A}$ | V | A |  | ${ }^{25}$ S | A | A N |  | ${ }^{26} \mathrm{~A}$ | L | L |
|  |  |  | ${ }^{9}$ | P | 1 | C | ${ }^{30} \mathrm{~K}$ | K A | N | N D | 1 | P | A | A |
| ${ }^{32} \mathrm{H}$ | E | P | A |  | ${ }^{5}$ | L |  | E |  | ${ }^{36}$ | P |  | R | T |
| E | C | R | R U |  |  | E |  |  | T ${ }^{40} \mathrm{H}$ |  | E | R | G | 0 |
| S | L | 0 | T | H |  |  | ${ }^{4} \mathrm{~T}$ | T | H O |  | ${ }^{45} \mathrm{E}$ |  |  | N |
| ${ }^{46}$ S | A | F | E | A | N | ${ }^{8} \mathrm{D}$ |  | S 0 | U | $\square^{49} \mathrm{~N}$ | D |  |  |  |
| ${ }^{50}$ | T |  |  | 1 | 0 | 0 |  | ${ }^{52} \mathrm{R}$ | N | N |  | S |  | ${ }^{55} \mathrm{~s}$ |
|  |  | ${ }^{56}$ S | ${ }^{57}$ | 0 | R | T | A | A N | N D | D S | W | E | E |  |
| ${ }^{\text {M }}$ | ${ }^{61}$ E | S | A |  | ${ }^{2} \mathrm{M}$ |  | L | L |  | C | 0 | M | E | R |
| ${ }^{64} \mathrm{~A}$ | v | O | w |  | A | M |  | M |  | ${ }^{66} \mathrm{~A}$ | R |  | S | E |
| ${ }^{\text {b }}$ D | A | R | K |  | ${ }^{68} \mathrm{~L}$ | E | A | A N | N | ${ }^{69}$ | E | S | E | E |

Puzzle 170

|  |  |  | c |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{E}$ | A | G | L |  |  | ${ }^{15} \mathrm{~S}$ | H | H | R |  |  | E |  |  |
| ${ }^{17} \mathbf{G}$ | R | E | E |  | ${ }^{18} \mathrm{~T}$ | H | U | M | B | S |  | ${ }^{19} \mathrm{~A}$ | D |  |
|  | S | S | A |  | ${ }^{1} \mathrm{~A}$ | C | R | R E |  | E | ${ }^{23}$ | L |  |  |
|  |  |  | ${ }^{\text {N }}$ | ${ }^{25}$ | L | A | N |  | ${ }^{26}$ S | A | Y |  |  |  |
| ${ }^{27}$ B | R | A | S | S | K | N | U | ${ }^{30} \mathrm{C}$ | K | L | E | S |  |  |
| L | 1 | B | E |  |  |  | P | 0 |  |  | ${ }^{33} \mathrm{~S}$ | T |  | ${ }^{35} \mathrm{P}$ |
| ${ }^{36}$ | L | L |  | 0 | ${ }^{38} \mathrm{~A}$ | F |  | O | D |  |  | A |  |  |
|  | L | E | A |  | S | E | A |  |  | ${ }^{47} \mathrm{O}^{4}$ | ${ }^{48}$ A |  |  |  |
|  |  | ${ }^{49}$ B | U | ${ }^{50}$ | T | E | R | ${ }^{51}$ |  | N |  |  |  |  |
| V | ${ }^{54}$ | 0 | D | 0 | 0 |  | R | O | S | S |  |  |  |  |
| ${ }^{56}$ | N | D | 1 | A |  | P | E | R | P |  | ${ }^{8} \mathrm{~T}$ | ${ }^{59} \mathrm{~A}$ |  | $\times{ }^{61}$ |
| T | R |  |  | S | W | E | A | T |  | ${ }^{65}$ | A | L | M |  |
| A | Y |  |  | T | O | R | R |  |  | A | T | S | E |  |
| A | E | D |  | ${ }^{7} \mathrm{~S}$ | E | $U$ | S | S |  | , | 0 | 0 | N | N |

## Puzzle 171

| ${ }^{1} \mathrm{~A}$ | B | ${ }^{3} \mathrm{E}$ |  |  |  | ${ }^{6} \mathrm{~L}$ | ${ }^{7}{ }^{8}$ |  |  | ${ }^{9}$ T | ${ }^{10}$ W |  | ${ }^{2} \mathrm{C}$ | ${ }^{13} \mathrm{E}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~N}$ | A | M | E |  | ${ }^{15} \mathrm{~N}$ | E | A | R |  | ${ }^{16}$ P | E | D | A | L |
| ${ }^{17}$ T | 1 | M |  | ${ }^{18}$ I | S | W | H |  | ${ }^{19} \mathrm{~T}$ | K | E | E | P | S |
| ${ }^{20} \mathrm{~S}$ | L |  |  | ${ }^{21}$ | U |  | A | N | A |  | ${ }^{22} \mathrm{~V}$ | A | S | E |
|  |  |  | ${ }^{23} \mathrm{D}$ | O | R | S |  |  | ${ }^{24} \mathrm{R}$ | B | 1 |  |  |  |
| ${ }^{26}$ A | D | M | 1 | R | E |  | ${ }^{29} \mathrm{E}$ | ${ }^{30} \mathrm{~T}$ | 1 | $\bigcirc$ | L | ${ }^{31} \mathrm{O}$ | ${ }^{32} \mathrm{G}$ |  |
| ${ }^{4} \mathrm{w}$ | E | 1 | R |  |  | ${ }^{35}$ | N | 0 | F | F |  | ${ }^{\text {T }}$ T | 0 | E |
| A | L | L | T | ${ }^{8} \mathrm{H}$ | E | S | T | U | F | F | ${ }^{40} \mathrm{~F}$ | R | 0 |  |
| R | H | 0 |  | $\stackrel{42}{12}$ | 1 | L | E | R |  |  | ${ }^{13} \mathrm{~L}$ | 0 | S |  |
| D | 1 | S | C | 0 | L | 0 | R |  | ${ }^{6}$ | ${ }^{7}$ | 0 | S | E | N |
|  |  |  | ${ }^{48}$ | D | E |  |  | ${ }^{9}$ | L | U | E |  |  |  |
| P | R | A | M |  | ${ }^{3} \mathrm{E}$ | ${ }^{4}$ | ${ }^{55} \mathrm{G}$ | 1 | E | R |  | ${ }^{6}$ S | ${ }^{57}$ | ${ }^{58}$ |
| H | A | P | P | ${ }^{50} \mathrm{E}$ | N | 1 | N | G | A |  | ${ }^{\text {s1 }}$ | N | C | E |
| E | S | S | E | S |  | ${ }^{3} \mathrm{~N}$ | A | $\cup$ | T |  | $\stackrel{64}{*}^{64}$ | A | L | E |
| W | H | E | L | P |  | ${ }^{\circ}$ | W | E |  |  | ${ }^{67}$ A | A | A | R |

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| ${ }^{1}{ }^{2}$ |  | ${ }^{3} \mathrm{U}$ |  |  |  |  |  | A ${ }^{8} \mathrm{R}$ |  |  |  | ${ }^{11} \mathrm{~L}$ | ${ }^{12} \mathrm{~A}$ | D |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{R}$ | A | N | 1 |  | ${ }^{15} \mathrm{~N}$ | A | N | N 0 | 0 | ${ }^{16} \mathrm{E}$ | L | 1 | S | E |
| ${ }^{17}$ I | R |  | S |  | ${ }^{18}{ }^{\text {D }}$ | R | N | N | 0 | ${ }^{19} \mathrm{R}$ | E | M | 1 | T |
| ${ }^{20}$ | E | T | T | ${ }^{21} \mathrm{H}$ | E | B | E | T | T ${ }^{22} \mathrm{~T}$ | E | R | 0 |  |  |
|  |  |  | ${ }^{23} \mathrm{~S}$ | E | A | L |  |  | ${ }^{24} \mathrm{~A}$ | N |  |  |  |  |
| ${ }^{25}$ A | M | P |  | ${ }^{88}$ | N | E |  | ${ }^{30} \mathrm{O}$ | O | E |  | E | ${ }^{32}$ | E |
| R | 0 | 0 | ${ }^{35} \mathrm{~S}$ | T |  |  | ${ }^{36} \mathrm{E}$ | R | R |  | ${ }^{37} \mathrm{O}$ | M |  |  |
| M | O | $P$ | T | H | E | ${ }^{40} \mathrm{~F}$ | L |  | 0 | R | w | 1 | T | H |
| E | S | P |  |  | ${ }^{3} \mathrm{~A}$ | D | 0 |  |  | ${ }^{44} \mathrm{~A}$ | L | L | A |  |
| ${ }^{15}$ | E |  |  | ${ }^{46}$ B | R | A |  |  | $\mathrm{D}^{48} \mathrm{E}$ | D |  | ${ }^{49} \mathrm{E}$ |  |  |
|  |  |  | ${ }^{50} \mathrm{~S}$ | 1 | T |  |  | ${ }^{1} \mathrm{E}$ | E | 1 | ${ }^{52} \mathrm{~A}$ |  |  |  |
|  | P | ${ }^{54}$ | T | T | H | E | K |  | B | 0 | S | H | O | N |
| M | E | R | 1 | T |  | ${ }^{61}$ T | A | A C | C |  | 2 | 1 | P | E |
| ${ }^{\text {E }}$ E | A | G | L | E |  | C | L | E | E |  | 1 | V | E | S |
| ${ }_{6}$ | R | E | E | R |  | ${ }^{67} \mathrm{H}$ | E | E | R S |  | ${ }^{68} \mathrm{C}$ | E | N | T |

Puzzle 173

|  |  | ${ }^{3} \mathrm{M}$ | ${ }^{4} \mathrm{O}$ |  |  | \| M| |  | ${ }^{8}{ }^{8}$ | $U^{9} \mathrm{E}$ |  | B | E | A | ${ }^{13} \mathrm{D}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | S | A | P |  | ${ }^{15} \mathrm{~N}$ | E | A | A R | R |  | ${ }^{16}$ | R | G | E |
| ${ }^{17}$ | L | 1 | P | ${ }^{18}$ | F | T | H | H E | E $T$ | O | N | G | U | E |
| S | A | M | 0 | V | A | R | S |  | ${ }^{21} \mathrm{H}$ | A | S | S | A | M |
|  |  |  | N | E | M | 0 |  |  | M E | R | E |  |  |  |
| ${ }^{24}$ | A | K | E | R |  |  | L | 0 | T |  | ${ }^{28}$ | ${ }^{29} \mathrm{Y}$ | S | E |
| U | P | E | N | D |  | ${ }^{3} \mathrm{~T}$ | Y |  | E | ${ }^{34} \mathrm{~A}$ |  | O | E | S |
| ${ }^{36}$ | E | L | T | 1 | ${ }^{37} \mathrm{~N}$ | 0 | N | N E | E S | M | ${ }^{38} 0$ | U | T | H |
| P | A | L |  | D | A | N | D |  |  | B | U |  |  |  |
| ${ }^{2} \mathrm{~S}$ | K | Y | ${ }^{43} \mathrm{~S}$ |  | ${ }^{4}$ | 1 |  |  | ${ }^{45}$ | 1 | T |  | E | R |
|  |  |  |  | A | R | S |  | ${ }^{18} \mathrm{~K}$ | E | E | L |  |  |  |
| ${ }^{9}$ | ${ }^{5}$ | 0 | R | 1 | A |  | B | O | O R | N |  | ${ }^{53} \mathrm{~T}$ | E | ${ }^{55} \mathrm{~S}$ |
| A | R | M | E | D |  | 7 | T |  | H |  | E | E | T | H |
| ${ }^{58}$ | S | E | S |  | E | L | U |  |  |  | R | A | N |  |
| 1 | E | N | S |  | ${ }^{52}$ S | A | S | S | S Y |  | ${ }^{63} \mathrm{~S}$ | L | A | P |

Puzzle 174

| J | ${ }^{2} 1$ | ${ }^{3} \mathrm{D}$ | ${ }^{4} \mathrm{D}$ | ${ }^{5} \mathrm{~A}$ |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{1} \mathrm{O}$ | N | 1 | O | N |  | H | O | S | E |  | A | L |  |  |
| B | L | A | C | K | ${ }^{18} \mathrm{~L}$ | 1 | G | H | T |  | ${ }^{19} \mathrm{~N}$ | U | T | S |
| ${ }^{20}$ B | O | D |  | 1 | A | P | S | E | S |  | ${ }^{22} \mathrm{~K}$ | E |  | - |
| E | V | E | N | E | D |  |  | ${ }^{25}$ | E | L |  | c |  |  |
| ${ }^{27}$ D | E | M | 0 |  | ${ }^{28}$ | ${ }^{29} \mathrm{~K}$ | ${ }^{30} \mathrm{E}$ |  | ${ }^{31}$ | 1 | N | H |  |  |
|  |  |  | 4 | A | D | E | D | ${ }^{36}$ |  | E | D | 1 | N | N A |
| ${ }^{38} \mathrm{G}$ | ${ }^{39} \mathrm{~A}$ | B |  | R | A | N | 1 | N | ${ }^{42} \mathrm{~T}$ | 0 |  | ${ }^{13} \mathrm{P}$ |  |  |
| ${ }^{4} \mathrm{~A}$ | L | L | ${ }^{45}$ T | 0 |  | ${ }^{6}$ | T | E | 1 | N |  |  |  |  |
| , | P | A | S |  |  |  | ${ }^{50} \mathrm{~S}$ | A |  |  | A | ${ }^{52}$ |  | ${ }^{54} \mathrm{~S}$ |
|  |  | C | H | A | 1 | N |  |  | T | A | L | E | N |  |
| L | ${ }^{60}$ | K |  |  | N | 0 |  |  | O | N |  | 1 |  |  |
| E | N | T | R |  | B | L | U | E |  | E | N | C |  |  |
| 0 | M | 1 |  |  | A | T | T | A |  | N | E | E |  |  |
| S | E | E | S |  | D | E | S | , |  | D | A | R |  | E |

## Puzzle 175

| ${ }^{1}$ A | ${ }^{2} \mathrm{C}$ | ${ }^{3} \mathrm{~T}$ | ${ }^{4} \mathrm{~S}$ |  |  |  | T | ${ }^{8} \mathrm{E}$ |  |  | ${ }^{10} \mathrm{R}$ | ${ }^{11} \mathrm{O}$ | ${ }^{12} \mathrm{M}$ | ${ }^{3} \mathrm{~S}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~N}$ | 0 | 0 | N |  | ${ }^{15} \mathrm{~A}$ | L | 1 | V | E |  | ${ }^{16}$ | M | 1 | T |
| ${ }^{17} \mathrm{D}$ | 1 | D | 0 |  | ${ }^{18} \mathrm{R}$ | 0 | T | E | S |  | ${ }^{19} \mathrm{C}$ | 1 | T | Y |
|  | ${ }^{20} \mathrm{~L}$ | 0 | w | ${ }^{21} \mathrm{E}$ | R | F | 0 | R | T | ${ }^{22} \mathrm{Y}$ | A | T | E |  |
|  |  |  | ${ }^{23} \mathrm{~W}$ | R | 1 |  |  |  | ${ }^{24} \mathrm{C}$ | 0 | P |  |  |  |
| ${ }^{25}$ | ${ }^{26} \mathrm{E}$ | ${ }^{27}$ | H | 1 | E |  | ${ }^{28} \mathrm{~L}$ | ${ }^{29} \mathrm{~A}$ | U | D |  | 0 | H | M |
| ${ }^{33} \mathrm{E}$ | T | H | 1 | C |  | ${ }^{3} \mathrm{~S}$ | 0 | U | R |  | ${ }^{35}$ | x | 1 | A |
| ${ }^{36} \mathrm{~T}$ | H | E | T | H | ${ }^{37} \mathrm{R}$ | E | E | T | E | ${ }^{38} \mathrm{~N}$ | N | E | R | S |
| ${ }^{39} \mathrm{R}$ | 0 | S | E |  | ${ }^{40} \mathrm{~A}$ | L | S | 0 |  | ${ }^{41} \mathrm{~A}$ | S | Y | E | T |
| ${ }^{42} \mathrm{~A}$ | S | S |  | ${ }^{43} \mathrm{M}$ | 1 |  |  |  | ${ }^{4} \mathrm{~V}$ | 0 | T | E | R | S |
|  |  |  | ${ }^{5}$ | E | N |  |  | ${ }^{6}$ | E | M | 1 |  |  |  |
|  | ${ }^{47}$ T | W | E |  | F | ${ }^{9} \mathrm{~T}$ | ${ }^{50} \mathrm{H}$ | K | N |  | G | ${ }^{51}$ |  |  |
| W | H | 1 | z |  | ${ }^{54} \mathrm{~A}$ | H | E | A | D |  | ${ }^{5} \mathrm{~A}$ | E | R | ${ }^{6}$ |
| ${ }^{57}$ A | 0 | N | E |  | L | E | N | T | 0 |  | T | A | 1 | L |
| ${ }^{60}{ }^{60}$ | U | E | L |  | ${ }^{1}$ | A | S | E | R |  | ${ }^{62}$ E | D | G | E |


|  | ${ }^{2} \mathrm{G}$ | O |  |  |  | A |  | ${ }^{8} \mathrm{~L}$ |  |  |  | G | H |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{M}$ | U | S | T |  | ${ }^{15}$ | B | 0 | A | A |  | P | L | A | Y |
| ${ }^{17} \mathrm{P}$ | E | T | E | ${ }^{18} \mathrm{R}$ | L | O | R | R R | R |  | ${ }^{19} \mathrm{R}$ | A | Z | E |
| ${ }^{20} \mathrm{~A}$ | R | E |  | ${ }^{21} \mathrm{~A}$ | L | A | N | N |  | H | 1 | D | E | S |
| C | R | A | ${ }^{24} \mathrm{~S}$ | H | E | R |  |  | ${ }^{25} \mathrm{~B}$ | A | L |  |  |  |
| ${ }^{26}$ T | E | L | L |  |  | D |  | B | B A | R |  | 0 | R | C |
|  |  |  | ${ }^{33} \mathrm{I}$ | ${ }^{34} \mathrm{~S}$ | M |  | ${ }^{36}$ | A | A N |  | ${ }^{\text {A }}$ A | L |  | C |
| L | O | ${ }^{0}$ | C | H | A | ${ }^{41} \mathrm{~N}$ | E |  | J | U | N |  | - | R |
| A | W | A | K | E | N | E | R |  | ${ }^{13} \mathrm{O}$ | P | S |  |  |  |
| B | E | T |  | R | 0 | 0 | T |  |  |  | 0 | ${ }^{48} \mathrm{~S}$ | L | ${ }^{50}$ |
|  |  |  | S | P | S |  |  |  |  |  | N | T | E | R |
| M | A | R | 1 | A |  | ${ }^{8}$ | A | A R | R G | 0 |  | R | A | G |
| 1 | R | A | N |  | B | E | L | A | A L |  | ${ }^{63}$ | O | S |  |
| T | A | L |  |  | A | R | E | T |  |  |  | D | E | E |
| E | L | S | E |  | ${ }^{68} \mathrm{~S}$ | T | E | E | T S |  | ${ }^{69} \mathrm{~N}$ | E | S | S |

Puzzle 177

|  | P | S | ${ }^{4} \mathrm{E}$ |  |  |  | $I^{7} R$ | ${ }^{8}{ }^{8} \mathrm{M}$ | $M^{9}$ S |  |  | 0 | A | ${ }^{1} \mathrm{~N}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~B}$ | E | A | T |  | ${ }^{15} \mathrm{~A}$ | D | 1 | E | E |  | ${ }^{16}$ | N | D | 0 |
| ${ }^{17}$ | A | $P$ | A | ${ }^{18} \mathrm{~N}$ | D | G | - | W | W |  | ${ }^{19} \mathrm{D}$ | E | E | S |
|  |  |  | ${ }^{\text {c }}$ | 0 | R | E |  |  | ${ }^{21} \mathrm{D}$ | R | E | S | S |  |
| ${ }^{23} \mathrm{~S}$ | ${ }^{24}$ E | V | E | R | E |  | ${ }^{26} \mathrm{~S}$ | ${ }^{27} \mathrm{P}$ | R | E | A | D |  |  |
| ${ }^{28} \mathrm{~A}$ | L | A | R | M | S |  | Q | U | 1 |  |  | ${ }^{30}$ | ${ }^{31} \mathrm{~L}$ | L |
| ${ }^{33} \mathrm{~F}$ | 1 | L | E | S |  | ${ }^{34} \mathrm{C}$ | U | R | R E | S |  | ${ }^{35} \mathrm{P}$ | 0 |  |
| ${ }^{36}$ E | x | E | S |  | ${ }^{37}$ | U | A | R | R D |  | ${ }^{38} \mathrm{C}$ | L | 0 |  |
| S | 1 | D |  | ${ }^{\text {H }}$ | A | R | R | R S |  | ${ }^{1}$ | R | 0 | N |  |
| ${ }^{42} \mathrm{~T}$ | R | 1 |  | , | S | S | E |  | R | 0 | 0 | M | E |  |
|  |  | C | ${ }^{46}$ E | L | L |  |  |  | ${ }^{47} \mathrm{E}$ | S | S |  |  | S |
| T | ${ }^{49} \mathrm{~A}$ | T | A | M |  |  |  | A | A R | T | S |  |  |  |
| ${ }^{51}$ | G | 0 | R |  | G |  |  | A D | D | A | 1 | 1 | ${ }^{56}$ | ${ }^{5} \mathrm{~N}$ |
| ${ }^{58} \mathrm{C}$ | U | R |  |  | ${ }^{\text {H }}$ | $U$ | M | M A | A |  | ${ }^{60}$ | N | D | 0 |
| K | E | Y | S |  | ${ }_{5}^{52}$ | E | A | A M | M S |  | ${ }^{63} \mathrm{E}$ | K | E | E |

Puzzle 178

|  | M |  |  |  |  |  |  |  |  |  |  | A | R |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| R | 0 | 0 | K |  | ${ }^{5} \mathrm{E}$ | C | L | A | A |  | E | M |  |  |
| ${ }^{17}$ S | 0 | L | 1 | ${ }^{18}$ D | S | T | A | A T | T E |  | ${ }^{19}$ | E | N | D |
| ${ }^{20} \mathrm{~A}$ | N |  |  | 1 | C | 0 | N |  |  | ${ }^{22}$ S | E | N | S | E |
|  |  |  | ${ }^{23}$ | O | U | R |  |  | ${ }^{25}$ | 1 | N | D | E | R |
| ${ }^{26}$ | E | T | 1 | R | E |  |  | 1 | 1 | T | A |  |  |  |
| ${ }^{30} \mathrm{~A}$ | V | 0 | N |  |  | ${ }^{31}$ | A | A E | E G | U |  | B | ${ }^{34} \mathrm{~A}$ | G |
| ${ }^{36}$ | E | L | E | S | ${ }^{38}$ | 1 | A |  | L S | P | H | E | R | E |
| E | N | D |  | ${ }^{1}$ | H | A |  |  |  |  | ${ }_{1}^{42}$ | R | A | N |
|  |  |  | ${ }^{3}$ | 0 | E | R |  |  | ${ }^{44} \mathrm{~T}$ | ${ }^{45}$ | R |  |  | E |
|  | C | E | C | R | E | A |  | $\mathrm{M}^{50} \mathrm{C}$ | C | N | E |  |  |  |
| M | A | V | E | $N$ |  |  | A |  | A |  |  | B | ${ }^{54}$ A | A |
| ${ }^{56}$ A | N | 1 |  |  |  |  | B |  | E S |  | E | A | K | S |
| M | 0 | L | L |  | ${ }^{1}$ | L | E | E | R |  | E | R | 1 | E |
| ${ }^{33} \mathrm{~S}$ | E | S | S |  | B | U | L | K | K Y |  | L | E | N | A |

## Puzzle 179

| ${ }^{1} \mathrm{G}$ | ${ }^{2} \mathrm{~N}$ | ${ }^{3} \mathrm{~A}$ |  |  |  | ${ }^{6}$ A | S |  |  | S | ${ }^{1} \mathrm{~T}$ | ${ }^{11} \mathrm{~A}$ | ${ }^{2}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{R}$ | 0 | 1 | S |  | ${ }^{15} \mathrm{~A}$ | S | E | A |  | T | 0 | Q | U | E |
| ${ }^{17}$ | N | T | H | ${ }^{18} \mathrm{E}$ | B | A | C | K | ${ }^{19} \mathrm{G}$ | R | 0 | U | N | D |
| ${ }^{20} \mathrm{P}$ | 0 | S | 1 | T | S |  | T | I | M | E | L | A | G | S |
|  |  |  | R | A | T | ${ }^{23} \mathrm{~S}$ |  | ${ }^{24} \mathrm{~N}$ | A | P | A |  |  |  |
| 5 | 0 | ${ }^{27}$ | T |  | ${ }^{28} \mathrm{~A}$ | L | ${ }^{29} \mathrm{I}$ | G | N |  | ${ }^{30} \mathrm{R}$ | ${ }^{31} \mathrm{~A}$ | J | ${ }^{\text {A }}$ |
| ${ }^{4}$ A | P | T |  | ${ }^{5} \mathrm{~A}$ | N | A | S |  |  | ${ }^{36}$ A | G | N | E | S |
| B | E | H | ${ }^{38}$ | N | D | T | H | ${ }^{39} \mathrm{E}$ | ${ }^{40} \mathrm{~S}$ | C | E | N | E | S |
| E | R | E | C | T |  |  | ${ }^{2} \mathrm{~A}$ | L |  |  |  | ${ }^{43} \mathrm{I}$ | R | E |
| ${ }^{14}$ | A | R | E |  | ${ }^{5}$ | E | M | E | N |  | ${ }^{47} \mathrm{~T}$ | E | S |  |
|  |  |  | ${ }^{48} \mathrm{~S}$ | ${ }^{49} \mathrm{H}$ | U | T |  | ${ }^{50} \mathrm{~A}$ | G | E | S |  |  |  |
| B | ${ }^{53}$ L | A | A | A | N | C | Y |  | ${ }^{56}$ S | T | E | N | ${ }^{58} \mathrm{C}$ |  |
| O | U | T | 0 | F | T | H | E | ${ }^{61}$ | 1 | C | T | U | R | E |
| S | N | 0 | R | T |  | E | D | E | N |  | ${ }^{64} \mathrm{~S}$ | L | A | W |
| 5 | A | M | M | S |  | ${ }^{66}$ S | 0 |  | , |  | ${ }^{67}$ E | L | M | s |

## Puzzle 180

$\qquad$

| ${ }^{1} \mathrm{O}$ |  | ${ }^{3} \mathrm{~A}$ |  |  |  |  |  |  |  |  |  | A | ${ }^{12} \mathrm{M}$ | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{C}$ | A | M | E |  | A | R | U | M | M | ${ }^{16}$ | 0 | L | E | X |
| ${ }^{17} \mathrm{H}$ | Y | P | 0 | ${ }^{18} \mathrm{C}$ | R | R 1 | T | E |  | ${ }^{19} 0$ | P |  | N | E |
|  | S | U | M | M 0 |  | ${ }^{21} \mathrm{~K}$ | E | A | A ${ }^{22} \mathrm{~N}$ | U |  | M | A | R |
| ${ }^{24} \mathrm{O}$ | w | L | E | E |  |  |  | R | R E | F | ${ }^{26}$ L | E | C |  |
| ${ }^{27}$ | H | E | N | N E | R | V | ${ }^{30}$ E |  | ${ }^{31}$ D | R | 0 | N | E | S |
| S | 0 | S |  |  | M | 0 | N | ${ }^{34} \mathrm{~A}$ | A | O | A |  |  |  |
|  |  |  |  |  | N | U | N |  | $\mathrm{D}^{38} \mathrm{R}$ | U | M |  |  |  |
|  | ${ }^{39} \mathrm{~S}$ | T | A | A B |  | ${ }^{41}$ | U | E | T |  |  | ${ }^{42} \mathrm{D}$ | ${ }^{43}$ D |  |
| ${ }^{45} \mathrm{~S}$ | P | A | R | R | E |  | ${ }^{47}$ |  | E | ${ }^{48} \mathrm{~S}$ | ${ }^{49}$ | R | 0 | W |
| ${ }^{50} \mathrm{~A}$ | 1 | R | L | - E | S |  |  |  |  | A | L | A | M |  |
| ${ }^{53} \mathrm{G}$ | E | T |  | ${ }^{54} \mathrm{~S}$ | P | A | T |  |  | M |  | C | A |  |
| ${ }^{58}$ | L | A | ${ }^{59} \mathrm{~S}$ | S |  | ${ }^{60} \mathrm{M}$ | A |  | $\mathrm{N}^{61} \mathrm{~N}$ | E | Q | U | 1 | ${ }^{62} \mathrm{~N}$ |
| E | E | R |  | I E |  | ${ }^{64}$ B | R |  | 10 |  | ${ }^{65}$ | L | N | A |
| ${ }^{6}$ | R | E | D | D |  | ${ }^{67}$ A | S | P | P |  | ${ }^{68}{ }^{\text {E }}$ | A | S | T |

Puzzle 181

|  | C | L |  |  |  |  |  | ${ }^{8} 0$ |  |  | 0 | ${ }^{11} \mathrm{P}$ | E | D |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~W}$ | A |  | N | N | ${ }^{5}$ | C | 1 | D |  | ${ }^{16} \mathrm{~A}$ | R | R | A | Y |
| ${ }^{17} \mathrm{~A}$ | R | N | E | E | ${ }^{18} \mathrm{~T}$ | H | R | E | ${ }^{19} \mathrm{~A}$ | D | B | A | R | E |
| ${ }^{20} \mathrm{~S}$ | T | E |  | $A^{21} L$ | E | R |  | ${ }^{22} \mathrm{R}$ | C | A |  | ${ }^{23} \mathrm{M}$ |  | S |
| ${ }^{24} \mathrm{H}$ | E | B | R | R | D | E |  |  | ${ }^{26}$ A | M | A |  |  |  |
|  |  | ${ }^{28} \mathrm{~A}$ | T | T M |  |  | A | ${ }^{\text {a }} \mathrm{N}$ | D | E | R | ${ }^{31} \mathrm{~S}$ | O | N |
| ${ }^{34} \mathrm{M}$ | O | C |  | H |  |  | ${ }^{36}$ | $\bigcirc$ |  |  | E | T | T |  |
| ${ }^{38} \mathrm{~A}$ | S | K |  | ${ }^{39} \mathrm{~S}$ | ${ }^{40}{ }^{4}$ | ${ }^{41}$ L |  | N | , A | S |  | R | 0 |  |
| ${ }^{44} \mathrm{~T}$ | H | E | E | E | ${ }^{46} \mathrm{~N}$ | E | E |  |  | ${ }^{47} \mathrm{~A}$ | ${ }^{48} \mathrm{R}$ |  | E | S |
| ${ }^{49} \mathbf{T}$ | A | R | R | $\mathrm{R}{ }^{50} \mathrm{~A}$ | G | 0 | N |  |  | ${ }^{51}$ B | E | N |  |  |
|  |  |  | E | E | L |  |  |  | ${ }^{55}$ B | 0 | G | G | ${ }^{56} \mathrm{~A}$ | ${ }^{5}$ |
| ${ }^{8}$ T | L | C |  | ${ }^{61} \mathrm{~T}$ |  | ${ }^{1}$ |  | ${ }^{63}$ | 0 | T | A | B | L | E |
| W | 1 | R | ${ }^{65}$ E | E H | A | , | ${ }^{66}$ | R | D |  |  | E | E |  |
| ${ }^{68}$ | M | A |  | G |  | ${ }^{69} \mathrm{~T}$ |  | N | N |  | T | A | R |  |
| T | 0 | N | G | G A |  | ${ }^{72} \mathrm{~S}$ | 0 | D | S |  | ${ }^{73} \mathrm{~A}$ | N | T | S |

Puzzle 182

|  | ${ }^{2} \mathrm{~A}$ |  |  |  |  |  |  | R ${ }^{8} \mathrm{P}$ |  |  |  | ${ }^{11} \mathrm{M}$ | ${ }^{12}$ A |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | L | E |  | ${ }^{15} \mathrm{E}$ | E | R | 1 | E |  | ${ }^{16} \mathrm{E}$ | $v$ | A | D | E |
| N | O | M |  | ${ }^{18} \mathrm{R}$ | 1 | G | 0 | R |  | ${ }^{19} \mathrm{R}$ | 1 | c | E | D |
| ${ }^{20} \mathrm{Y}$ | O | U | ${ }^{21} \mathrm{~V}$ | E | G | 0 | T | M | ${ }^{22} \mathrm{~A}$ | 1 |  |  |  |  |
| ${ }^{23} \mathrm{~A}$ | F | R | E | S | H |  |  | ${ }^{24} \mathrm{~S}$ | 1 | T |  | A | E | C |
|  |  |  | R | A | T | T | ${ }^{30} \mathrm{Y}$ |  | R | A | F | F | L | E |
| ${ }^{33} \mathrm{~A}$ | ${ }^{34} \mathrm{~S}$ | P | S |  |  | ${ }^{36} \mathrm{H}$ |  |  | Y | G | R | A |  |  |
| ${ }^{8} \mathrm{~T}$ | H | A | 1 | S |  | ${ }^{40} \mathrm{E}$ | G | G |  | ${ }^{41}$ E | A |  | A |  |
| T | 0 | N | 0 | A | v | A |  |  |  |  | ${ }^{\text {N }}$ |  | S | S |
| ${ }^{45}$ | V | E | N | U | E |  |  | L | A | C | K |  |  |  |
| ${ }_{\text {R }}$ | E | D |  | S | 1 | S |  |  | ${ }^{52}$ T | 1 | E | D | Y | E |
|  |  |  | S | A | N |  |  | $A^{58} \mathrm{~F}$ | E | T | R | A | 1 | L |
|  | E | ${ }^{61}$ L | 1 | G |  | ${ }^{62} \mathrm{~A}$ | D | L | A |  |  | ${ }^{63}$ | E | V |
| ${ }^{54}$ | P | A | c | E |  | R | E | , | S | E |  | E | L |  |
| G | A | w | K | S |  | ${ }^{68} \mathrm{~K}$ | N | N E | E | S |  | ${ }^{69} \mathrm{Y}$ | D | S |

## Puzzle 183

|  | ${ }^{2} \mathrm{C}$ | T | ${ }^{4} \mathrm{E}$ | ${ }^{5}$ |  |  |  | ${ }^{8}{ }^{\text {m }}$ | ${ }^{9} \mathrm{E}$ |  | $\left.{ }^{10} \mathrm{M}\right\|^{11} \mathrm{~B}$ | ${ }^{2} \mathrm{~A}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~T}$ | H | E | R | E |  | ${ }^{15} \mathrm{~N}$ | E | A | R |  | ${ }^{16} \mathrm{~A}$ A | T | E |
| ${ }^{17}{ }^{17}$ | A | S | 1 | C |  | ${ }^{18} \mathrm{D}$ | R | R | v | ${ }^{19} \mathrm{E}$ | T 1 | M | E |
| A | F | T | E | R | ${ }^{21} \mathrm{M}$ | 1 | D | N | 1 | G | H |  |  |
| T | E | E |  | ${ }^{3}$ | A | R |  | ${ }^{24} \mathrm{D}$ | N | A | ${ }^{25}$ T | 1 | S |
| ${ }^{28}$ | S | E |  | ${ }^{29} \mathrm{~A}$ | T | A | R |  |  | L ${ }^{32}$ | ${ }^{32} \mathrm{~S}$ | T | S |
|  |  |  | ${ }^{3} \mathrm{~S}$ | S | R |  | ${ }^{34} \mathrm{~A}$ | S | ${ }^{35}$ |  | ${ }^{36} \mathrm{E}$ N | D | S |
|  |  | P | 1 | E | 1 | ${ }^{38} \mathrm{~N}$ | T | H | E | S | K |  |  |
| 0 | P | E | C |  | ${ }^{42} \mathrm{X}$ | 1 |  |  | ${ }^{43} \mathrm{R}$ | 1 | 0 |  |  |
| L | 0 | c | K | E |  | P | 0 | ${ }^{47} \mathrm{~S}$ | E | D | P | 0 | ${ }^{50}$ |
| A | B | A |  | T | O | P |  | ${ }^{54} \mathrm{C}$ | 0 | E | ${ }_{5}^{55}$ | P | A |
|  |  | ${ }^{56}$ | E | R | V | E | S | 0 |  | S ${ }^{59}$ | ${ }^{59}$ T | E |  |
|  | ${ }^{61}$ | P | R | E | A | D | E | R |  | ${ }^{2}$ | A | N |  |
| ${ }^{3} \mathrm{~A}$ | R | 1 | A |  | ${ }^{54}$ L | A | M | M |  | ${ }^{65}$ | R | E | R |
| ${ }^{6} \mathrm{M} \mid$ | E | E | T |  | ${ }^{61}$ | T | 1 | R |  | W | 0 O | D | Y |

## Puzzle 184

$\qquad$

| ${ }^{1} \mathrm{~A}$ | C | ${ }^{3} \mathrm{C}$ |  |  | ${ }^{5}$ A | ${ }^{6} \mathrm{C}$ | ${ }^{7}$ | ${ }^{8} \mathrm{R}$ | ${ }^{9} \mathrm{E}$ |  |  | P | ${ }^{12} \mathrm{~S}$ | ${ }^{13} \mathrm{O}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{M}$ | 1 | R | E |  | ${ }^{15} \mathrm{~L}$ | A | C | E | S |  | ${ }^{16} \mathrm{~N}$ | 1 | T | A |
| ${ }^{17} \mathrm{~F}$ | R | E | E | ${ }^{18} \mathrm{~S}$ | P | 1 | R | 1 | T |  | ${ }^{19} \mathrm{~S}$ | K | 1 | T |
| ${ }^{20} \mathrm{M}$ | C | E | N | T | 1 | R | E |  | ${ }^{21} \mathrm{R}$ | ${ }^{22} \mathrm{~A}$ | T | E | R | S |
|  | ${ }^{23} \mathrm{~A}$ | P | 1 | A | N | 0 |  | ${ }^{24}$ W | A | L | E | S |  |  |
|  |  |  | ${ }^{25} \mathrm{D}$ | R | E |  | ${ }^{26} \mathrm{~B}$ | A | D | A | P | P | ${ }^{27} \mathrm{~L}$ | ${ }^{88}$ |
| ${ }^{29} \mathrm{M}$ | A | ${ }^{31} \mathrm{~J}$ | 0 | R |  | D | U | R | A | N |  | ${ }^{33} \mathrm{E}$ | 0 | N |
| ${ }^{34}$ | R | A | L |  |  | ${ }^{35} \mathrm{E}$ | S | P |  |  | ${ }^{36}$ T | A | R | 0 |
| ${ }^{37} \mathbf{G}$ | U | M |  | ${ }^{38} E$ | ${ }^{39} \mathrm{~T}$ | A | T | S |  | ${ }^{40} \mathrm{~S}$ | A | K | E | S |
| ${ }^{41}$ S | T | E | ${ }^{42} \mathrm{E}$ | L | E | R | S |  | 1 | C | H |  |  |  |
|  |  | ${ }^{44} \mathrm{~S}$ | C | A | L | E |  | ${ }^{45} \mathrm{~S}$ | N | A | 1 | L | S |  |
| ${ }^{48} \mathrm{~A}$ | ${ }^{49}$ | P | A | L | L |  | ${ }^{50} \mathrm{~S}$ | T | A | R | T | 0 | U | T |
| ${ }^{52}$ B | 0 | 0 | R |  | ${ }^{53} \mathrm{~S}$ | ${ }^{54} \mathrm{~A}$ | L | E | S | P | 1 | T | C | H |
| ${ }^{55} \mathrm{~B}$ | 0 | L | T |  | ${ }^{56} \mathrm{O}$ | H | A | R | E |  | ${ }^{57} \mathrm{~A}$ | T | R | A |
| ${ }^{58}$ E | L | K | E |  | ${ }^{59} \mathrm{~N}$ | S | Y | N | C |  | ${ }^{60} \mathrm{~N}$ | E | E | D |

Puzzle 185

| T | ${ }^{2} \mathrm{~A}$ | G |  |  |  |  |  | ${ }^{8} \mathrm{~T}$ |  | P | R | E | P | ${ }^{3} \mathrm{~S}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~W}$ | H | E | E |  | ${ }^{15}$ | S | E | E $R$ |  | ${ }^{16}$ | 1 | Y | A | L |
| ${ }^{17} \mathrm{Y}$ | E | S | T | ${ }^{18} \mathrm{E}$ | R | D | A | A |  | ${ }^{19} 0$ | P | E | R | A |
| ${ }^{20} \mathrm{~L}$ | A | T |  | N | E | A | R | R |  | ${ }^{22}$ Z | E | S |  |  |
| ${ }^{23} \mathrm{~A}$ | D | E | ${ }^{24}$ S | T | E |  |  |  | ${ }^{26}$ | A | S | H |  |  |
|  |  |  | ${ }^{27}$ | 1 | N | G | S |  | 0 | C | T | A | ${ }^{31} \mathrm{~V}$ | E |
| K | ${ }^{34} \mathrm{~A}$ | P | U | T |  | W |  | $\mathrm{H}^{37} \mathrm{~A}$ |  |  |  | D | E | B |
| ${ }^{39}$ | R | 0 | N |  |  | ${ }^{40} \mathrm{Y}$ | E | E |  |  | N | O | N | E |
| E | L | L |  |  | B | $N$ | A |  |  | ${ }^{45}$ | 0 | w |  | N |
| ${ }^{46} \mathrm{~V}$ | 0 | Y | A | ${ }^{8}$ | E |  | ${ }^{49}$ | R | ${ }^{50} \mathrm{~K}$ | J | R |  |  |  |
|  |  | E | G | R | E |  |  |  | N | U | M | B | ${ }^{55}$ | ${ }^{56}$ |
| ${ }^{57}$ | ${ }^{58} \mathrm{~T}$ | S | E | A |  | L |  | ${ }^{11}$ | E | R |  | ${ }^{62} \mathrm{~A}$ | L |  |
| ${ }^{33} \mathrm{~S}$ | A | T | 1 | N |  | ${ }^{64} \mathrm{~A}$ |  | Y E | A |  | ${ }^{65}$ E | S |  | R |
| ${ }^{66}$ A | T | E | S |  |  | ${ }^{67}$ S | P | E |  |  | 8 | T | T |  |
| ${ }^{9} \mathrm{P}$ | E | R | M | S |  | ${ }^{70} \mathrm{E}$ | E | L | S |  | ${ }^{71} \mathrm{~K}$ | E | E | N |

Puzzle 186

| ${ }^{1}$ B | ${ }^{2} \mathrm{~A}$ | w | ${ }^{4} \mathrm{~L}$ |  |  |  |  | A | A ${ }^{9} \mathrm{~F}$ |  |  | ${ }^{11} \mathrm{~N}$ | F | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | L | E | E |  | ${ }^{15}$ | 0 | L | K | A |  | N | E | A | R |
| ${ }^{17} \mathrm{~K}$ | 1 | D | G | ${ }^{18} \mathrm{~A}$ | L | A | H | H A | A D |  | ${ }^{19} \mathrm{~V}$ | 1 | C | E |
| E | K | , |  | T | E | R |  |  | ${ }^{22}$ E | ${ }^{23} \mathrm{C}$ | 0 |  | E | S |
| ${ }^{24} \mathrm{~S}$ | E | E | ${ }^{25} \mathrm{~T}$ | H | E |  |  |  | ${ }^{26}$ A | 0 | K |  |  |  |
|  |  |  | ${ }^{27} \mathrm{M}$ | 0 | N | K | E | ${ }^{30} \mathrm{Y}$ | W | R | E | N | C | H |
| B | ${ }^{35}$ | ${ }^{36}$ | E | S |  | ${ }^{37} \mathrm{~N}$ | A | A 1 | A | D |  | ${ }^{38} \mathrm{E}$ | E | E |
| L | 0 |  | N |  | ${ }^{\circ} \mathrm{P}$ | 0 | S | E |  |  | ${ }^{41} \mathrm{~S}$ | A |  |  |
| ${ }^{42} \mathrm{~A}$ | $Y$ | E |  | ${ }^{43} \mathrm{~B}$ | E | R | Y | Y L |  | S |  |  |  | D |
| ${ }^{5}$ | 0 | R | ${ }^{46}$ S | E | T | R | A | D | ${ }^{47} 1$ | N | G |  |  |  |
|  |  |  | O | N | E |  |  |  | ${ }^{49} \mathrm{~S}$ | E | N | S | O | R |
|  | ${ }^{4} \mathrm{E}$ | A | R | E | R |  | ${ }^{\text {M }}$ |  | L | E |  | Q | U | E |
| R | A | N |  |  |  | L | A | A | Y A | R | 0 | U | N | D |
| ${ }^{63} \mathrm{~A}$ | R | T | E |  | A | A | R | R 0 | N |  | ${ }^{65}$ | A | C |  |
| B | L | E | D |  | ${ }^{\mathrm{N}}$ | 0 | E | E | N D |  | ${ }^{68}$ A | T | E | E |

## Puzzle 187

|  | ${ }^{2} \mathrm{~A}$ |  | ${ }^{4}$ |  |  |  |  |  | ${ }^{8} \mathrm{E}$ |  |  | ${ }^{\text {A }}$ | ${ }^{11} \mathrm{~B}$ | S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{13} \mathrm{~A}$ | R | 1 | A | ${ }^{14} \mathrm{~S}$ |  | ${ }^{15}$ | D | O | L |  | ${ }^{16}$ | D | L | E |
| M | E | T | R | E |  | ${ }^{18} \mathrm{M}$ | 1 | N | U | ${ }^{19}$ T | E | M | A | N |
| ${ }^{\circ} \mathrm{B}$ | A | C | K | $\mathrm{R}{ }^{2}$ | ${ }^{21} \mathrm{U}$ | B |  | ${ }^{2} \mathrm{E}$ | S | 0 |  | E | N | D |
|  |  | ${ }^{24} \mathrm{H}$ | A | G | S |  | ${ }^{25}$ | T | 1 | P | ${ }^{26} E$ | N | D | s |
| P | ${ }^{28}$ | C |  | ${ }^{\text {E }}$ | $\mathrm{P}^{30}$ | E | E |  | ${ }^{31} \mathrm{~V}$ | 1 | P |  |  |  |
| ${ }^{2} \mathrm{E}$ | L | A | ${ }^{33} \mathrm{~L}$ |  | ${ }^{34} \mathrm{~S}$ | T | A | G | E | C | 0 | A | ${ }^{31}$ | ${ }^{38} \mathrm{H}$ |
| R | 0 | M | E |  |  | ${ }^{40} \mathrm{~A}$ | B | A |  |  | ${ }^{41} \mathrm{C}$ | R | E | E |
| ${ }^{42}$ | P | P | E | ${ }^{43} \mathrm{R}{ }^{4}$ | ${ }^{44} \mathrm{C}$ | L | A | S | 5 |  | 46 | 1 | N | D |
|  |  |  | C | E | 0 |  | ${ }^{48} \mathrm{~S}$ | P | U | ${ }^{49}$ |  | ${ }^{50}$ |  |  |
| C | ${ }^{52} \mathrm{~A}$ | S | H | B | $A^{54}$ | R ${ }^{54}$ | S |  | ${ }^{55}$ |  | S | T |  |  |
| A | P | T |  | ${ }^{58}$ | R |  |  | ${ }^{9} \mathrm{C}$ | 0 | w | T | 0 | ${ }^{0}$ | N |
| ${ }^{52}$ | H | 0 | ${ }^{13} \mathrm{R}$ | T | S | T | ${ }^{64}{ }^{\text {a }}$ | P |  | ${ }^{65}$ | E | T | H | E |
| ${ }^{6}$ | 1 | N | A |  | ${ }^{57}$ |  | R | A |  | ${ }^{68}$ S | 1 | L | 0 | S |
| ${ }^{\text {E }}$ | D | E | N |  | ${ }^{70} \mathrm{R}$ | Y | E | S |  |  | ${ }^{71} \mathrm{~N}$ | E | A | T |

## Puzzle 188

$\qquad$

|  | ${ }^{2} \mathrm{~A}$ | S |  |  |  |  |  | ${ }^{8}{ }^{8}$ | E ${ }^{9}$ L |  |  | ${ }^{11}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{E}$ | L | M | 0 |  | 0 | P | E | R | R A |  | ${ }^{16} \mathrm{~A}$ | B | 0 | U |
| ${ }^{1} \mathrm{v}$ | 1 | A | L |  | ${ }^{18} \mathrm{~W}$ | 1 | S | E | O | ${ }^{19}$ L | D | O | W |  |
| ${ }^{20} \mathrm{~S}$ | T | R | 1 | ${ }^{21}$ D | E | N | T |  |  | ${ }^{22}$ | D | E | A |  |
|  |  | ${ }^{23} \mathrm{~T}$ | E | A | S | E |  |  | ${ }^{25}$ | E | L |  |  |  |
| ${ }^{26}$ S | P | A | S | M |  | ${ }^{8}$ | ${ }^{29} \mathrm{~L}$ | A | A |  | ${ }^{30} \mathrm{E}$ | ${ }^{31}$ | , |  |
| ${ }^{3} \mathrm{H}$ | A | L | T | E | ${ }^{35}$ |  | ${ }^{36}$ E | R |  |  | ${ }^{37}$ S | U | R | A |
| ${ }^{8} \mathrm{O}$ | R | E |  | S | 0 | ${ }^{40} \mathrm{~L}$ | A | A C | E |  |  | ${ }^{4}$ | E | R |
| ${ }^{\text {A }}$ | S | C | ${ }^{44} \mathrm{H}$ |  | W | A | S |  | ${ }^{46} \mathrm{R}$ |  | B |  | E |  |
| ${ }^{18} \mathrm{~L}$ | 1 | K | E |  | ${ }^{9}$ A | B |  |  |  | R | O | c |  |  |
|  |  |  | ${ }^{52} \mathrm{~A}$ | W | N | S |  |  | D | E | L |  |  |  |
| A | ${ }^{57}$ | A | R | $Y$ |  |  | S | T | A | A | D | U | ${ }^{60}$ | ${ }^{61} \mathrm{~s}$ |
| D | U | N | D | E ${ }^{6}$ |  | ${ }^{64} \mathrm{H}$ | E | A | A |  | E | c | R | R U |
| ${ }^{\text {B6 }}$ A | N | N | 0 |  | C | A | R | R L |  |  | S | K | 1 |  |
| ${ }^{9}$ | E | E | F |  | ${ }^{70} \mathrm{~A}$ | M | A | A S | s s |  | ${ }^{71} \mathrm{~T}$ | S | G |  |

Puzzle 189

| ${ }^{1} \mathrm{~S}$ | ${ }^{2} \mathrm{E}$ | M |  |  |  |  |  |  |  |  |  | C | ${ }^{12} \mathrm{~A}$ | ${ }^{13} \mathrm{~F}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{C}$ | L | 0 | D |  | M | 0 | N | N |  | ${ }^{16} \mathrm{~A}$ | N | E | R | A |
| ${ }^{17} 1$ | T | S | Y | ${ }^{18} \mathrm{~B}$ | 1 | T | S | Y | ${ }^{19} \mathrm{~S}$ | P | 1 | D | E | R |
| ${ }^{2} \mathrm{O}$ | 0 | H | L | A | L | A |  |  | ${ }^{21} \mathrm{O}$ | H | D | E | A | R |
| ${ }^{22} \mathrm{~N}$ | N | E |  | ${ }^{\text {L }}$ | E | T | ${ }^{24}$ D | ${ }^{25} \mathrm{O}$ | W | N |  |  |  |  |
|  |  |  | ${ }^{26} \mathrm{~F}$ | L | Y | 0 | N | N | H | E | w | A | ${ }^{2} \mathrm{~L}$ | ${ }^{30}$ |
| ${ }^{31} \mathrm{~A}$ | T | R | 1 | A |  | R | A | A $T$ | A |  | ${ }^{35}$ | L |  |  |
| ${ }^{36} \mathrm{H}$ | A | 1 | R | D | 0 |  |  |  | ${ }^{\text {T }}$ | , | S | S | L |  |
| ${ }^{40} \mathrm{~A}$ | L | P | S |  | R | I | ${ }^{13} \mathrm{~F}$ | ${ }^{44} \mathrm{~F}$ |  | ${ }^{45}$ S | P |  |  |  |
| ${ }^{46}$ B | E | E | T | L | E | B | A | A 1 | ${ }^{48} \mathrm{~L}$ | E |  |  |  |  |
|  |  |  |  | ${ }^{\text {A }}$ | G | E | N | N | A | S |  | A | ${ }^{51}$ | ${ }^{52} \mathrm{~K}$ |
| ${ }^{53}$ | 0 | S | ${ }^{56}$ I | D | 0 |  |  | G | R | U | M | B | L |  |
| ${ }^{59} \mathrm{~A}$ | N | T | S | 1 |  | ${ }^{60} \mathrm{O}$ |  | N | S | P | A | N | T | S |
| S | T | 0 | L | E |  | ${ }^{63} \mathrm{~T}$ | 0 |  | 0 |  | ${ }^{64}$ | E | R | E |
| H | 0 | P | E | S |  | ${ }^{66}$ B | R | R | N |  | ${ }^{67} \mathrm{~T}$ | R | A | A Y |

Puzzle 190

| ${ }^{1}$ | A |  |  |  |  |  |  |  |  | A |  |  | E |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | R | A | N |  | ${ }^{15} \mathrm{~A}$ | N | O | N |  | ${ }^{16} \mathrm{~A}$ | C | O | R | N |
| ${ }^{17} \mathrm{C}$ | E | R | T |  | ${ }^{18} \mathrm{R}$ | 1 | S | E | E | ${ }^{19}$ | A | G | E | s |
| ${ }^{20} \mathrm{H}$ | A | 1 | R | O | F | T | H | E | ${ }^{22} \mathrm{D}$ | 0 | G |  |  |  |
| ${ }^{23} \mathrm{E}$ | L | D | E | R | L | Y |  |  | ${ }^{24} 1$ | N | G | ${ }^{25}$ | ${ }^{20} \mathrm{~A}$ | R |
|  |  |  | ${ }^{28}$ | A | Y |  | ${ }^{29}$ A | N | T |  | ${ }^{31}$ | A | N | E |
| ${ }^{32} \mathrm{~S}$ | ${ }^{33} \mathrm{~T}$ | ${ }^{34}$ | 1 | C |  | ${ }^{35}$ | L | U | C | K |  | ${ }^{37} \mathrm{Y}$ | E | A |
| M | 1 | D | D | L | E | 0 | F | T | H | E | ${ }^{40}$ | 0 | A | A |
| ${ }^{41} \mathrm{E}$ | T | E |  | ${ }^{42}$ E | L | L | 1 | S |  | ${ }^{43} \mathrm{~T}$ | E |  |  |  |
| ${ }^{44} \mathrm{~A}$ | L | T | A |  |  | E | E |  | ${ }^{47}$ A | T | M |  |  |  |
| R | E | S | $U$ | ${ }^{49} \mathrm{M}$ | E |  |  | ${ }^{50}$ | A | L | E | G | ${ }^{52}$ E | ${ }^{53} \mathrm{~S}$ |
|  |  |  | R | U | N | O |  | T | H | E | M |  | L |  |
| L | ${ }^{8}$ | B | O | R |  | D | A | L |  |  | B | A | S | E |
| O | H | A | R | A |  | O | M | A | A |  | E | N | 1 | D |
| B | A | N | A | L |  | ${ }^{66} \mathrm{R}$ | E | S | , |  | ${ }^{67}$ | T | E | S |

## Puzzle 191

| $\sqrt{1} T$ | ${ }^{2} \mathrm{H}$ |  | ${ }^{4} \mathrm{~S}$ |  | ${ }^{5}$ | ${ }^{7}$ E | ${ }^{8} \mathrm{C}$ |  |  |  | R | ${ }^{12} \mathrm{E}$ | ${ }^{13} \mathrm{~A}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{R}$ | A | N | T | ${ }^{15} \mathrm{R}$ | O | M | E | 0 |  | N | E | A | P |
| ${ }^{17} \mathrm{~A}$ | S | E | A | ${ }^{18} \mathrm{G}$ | A | A | L | S |  | ${ }^{19}$ | A | R | T |
| ${ }^{20} \mathrm{C}$ | H | A | R | ${ }^{21} \mathrm{~L}$ O | T | T | E | S | ${ }^{22}$ w | E | B |  |  |
| ${ }^{23} \mathrm{~T}$ | E | S | L | A | ${ }^{2}$ | E | R |  | ${ }^{25} \mathrm{H}$ | A | S | ${ }^{26}$ | S |
|  | ${ }^{28} \mathrm{~S}$ | E | E | T ${ }^{29} \mathrm{H}$ | E |  | ${ }^{30}$ | ${ }^{31}$ | 0 | N | 0 | R | E |
|  |  |  | ${ }^{32}$ S | H E |  | ${ }^{33}$ | T | 1 |  |  | ${ }^{34} \mathrm{R}$ | A | W |
|  | R | 0 | S | E M | ${ }^{37} \mathrm{~A}$ | A | Y | S | ${ }^{38} \mathrm{~B}$ | ${ }^{39}$ A | B |  |  |
| M | A | C |  | ${ }^{1} \mathrm{~A}$ | T | E |  | ${ }^{42} \mathrm{E}$ | E | L |  |  |  |
| ${ }_{43}^{43}$ | N | C | ${ }^{4}$ A | ${ }^{5} \mathrm{~N}$ |  |  | ${ }^{46}$ | S | E | T | S | ${ }^{8} \mathrm{E}$ |  |
| ${ }^{49}{ }^{49}$ | 1 | A | N | A | ${ }^{\text {P }}$ | R | E |  | ${ }^{52} \mathrm{C}$ | H | 0 | M | P |
|  |  | ${ }^{4} \mathrm{~S}$ | 0 | P ${ }^{55}$ | 1 | E | S | ${ }^{56} \mathrm{C}$ | H | 0 | 1 | C | E |
| ${ }^{57} \mathrm{~L}$ | ${ }^{58} \mathrm{~A}$ | 1 | D | ${ }^{59}$ | C | U | T | E |  | ${ }^{50}$ | R | E | A |
| ${ }^{61} \mathrm{O}$ | B | 0 | E |  | A | A S | E | R |  | ${ }^{63}$ | E | E | K |
| $64$ | A | N | S | F | L | E | E | E |  | H | E | S | S |

## Puzzle 192

| ${ }^{1}$ B |  | ${ }^{3}$ |  |  |  |  | ${ }^{7} \mathrm{~L}$ | ${ }^{8} \mathrm{E}$ | ${ }^{9} \mathrm{~N}$ | ${ }^{10} \mathrm{~A}$ |  |  | ${ }^{12} \mathrm{~A}$ | ${ }^{13} \mathrm{D}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~L}$ | 0 | K | 1 |  | ${ }^{15} \mathrm{~A}$ | M | M | R | R A | A |  | ${ }^{16}$ | L | E |
| ${ }^{17} \mathrm{O}$ | V |  | S |  | ${ }^{18} \mathrm{~S}$ | C | R | R I | 1 P |  |  | ${ }^{19} \mathrm{R}$ | U | N |
| ${ }^{20} \mathrm{C}$ | E | N | T | ${ }^{21} 1$ | P | E | D | E | E | R | ${ }^{23}$ | M | M |  |
|  |  |  | ${ }^{24} \mathrm{R}$ | 0 | S | E | S |  | ${ }^{25}$ | U | R | L |  |  |
| ${ }^{26} \mathrm{M}$ | A | S | 0 | N |  |  |  | C | C L | 1 | N | 1 | ${ }^{30} \mathrm{C}$ | ${ }^{31} \mathrm{~S}$ |
| ${ }^{32} \mathrm{U}$ | S | P | S |  | ${ }^{33} \mathrm{~T}$ | ${ }^{3} \mathrm{H}$ | ${ }^{35}$ | R 0 | O E | S |  | ${ }^{36}$ | 0 | E |
| ${ }^{31}$ S | K |  |  |  | H | E | O | R | R |  |  | ${ }^{\text {A }}$ | B |  |
| ${ }^{\text {40 }}$ T | E |  |  | ${ }^{41} \mathrm{O}$ | R | A |  | E |  |  | ${ }^{2} \mathrm{P}$ | R | 0 | M |
| ${ }^{43} \mathrm{~S}$ | w | E | ${ }^{44} \mathrm{~A}$ | T | E | R |  |  |  | ${ }^{5}$ | A |  | L |  |
|  |  | ${ }^{46} \mathrm{R}$ | I | T | E |  |  |  | A ${ }^{49} \mathrm{~F}$ | E | S |  |  |  |
| ${ }^{50} \mathrm{~L}$ | U | C | R | E |  | T | A | A R | R A | A | T | U | ${ }^{54}$ | A |
| ${ }^{56}$ E | R | R |  | R | ${ }^{8} \mathrm{E}$ | A | D | E | E |  | E | L | A | N |
| ${ }^{60}$ A | D | A |  | E | R | M | 1 | N | N |  | U | N | 1 | T |
| ${ }^{33} \mathrm{~N}$ | U | B |  | ${ }^{64}$ | E | S | E | E $T$ | T S |  | ${ }^{65}$ | A | N | 1 |

Puzzle 193

|  | A | G |  |  |  |  | $7 \mathrm{~N}$ | $N{ }^{8} \mathrm{D}$ | $0{ }^{9} 0$ |  |  |  | 0 | ${ }^{1}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{1} \mathrm{O}$ | L | L | A |  | ${ }^{15} \mathrm{~A}$ | N | T | 1 | 1 C |  | ${ }^{16}$ I | O | W | A |
| ${ }^{7}$ | 0 | U | N | ${ }^{18} \mathrm{D}$ | S | T | H | E | E | ${ }^{19} \mathrm{O}$ | R | N | E |  |
| ${ }^{20} \mathrm{D}$ | U | E | D | A | T | E |  | T | U | R | E | E | N | S |
|  |  |  | B | Y | E |  | B | E | R | E | T |  |  |  |
| ${ }^{24} \mathrm{P}$ | L | E | A |  |  | ${ }^{27} \mathrm{O}$ | L |  |  |  | ${ }^{28} \mathrm{~A}$ | $\mid{ }^{29} \mathrm{C}$ | T | S |
| R | 1 | N | G |  | T | H | E |  | N | ${ }^{36} \mathrm{E}$ | P | H | E | W |
| ${ }^{37} 1$ | T | S |  | ${ }^{8} \mathrm{P}$ |  | 0 |  | ${ }^{39} \mathrm{E}$ | E | R |  | ${ }^{0} \mathrm{E}$ | S | E |
| ${ }^{1} \mathrm{~N}$ | E | U | R | A |  |  | D | O | 0 | R | B |  |  |  |
| ${ }^{15}$ | R | E | E |  |  | ${ }^{6}$ | E |  |  |  | O |  |  |  |
|  |  |  | ${ }^{48} \mathrm{~J}$ | U | R | 0 | R |  | A |  | B |  |  |  |
| A | L | T | E | R | E | D |  | ${ }^{56}$ T | H | U | S | F | ${ }^{58} \mathrm{~A}$ | A ${ }^{59}$ |
| C | 1 | R | C |  |  | S | ${ }^{61}$ |  | H | G | L | 0 | B | E |
| ${ }^{2} \mathrm{E}$ | M | 1 |  |  | ${ }^{63} \mathrm{~K}$ | 0 | R |  |  |  | E | R | L | E |
| D | A | M | S |  | ${ }^{66}$ S | N | E | A | A D |  | ${ }^{67}$ D | E | E | D |

Puzzle 194

|  | O | C |  |  |  |  |  |  |  |  |  |  | D |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{E}$ | F | 0 | R |  | N | A | T | T 0 |  | ${ }^{16} \mathrm{~A}$ | U | R |  |  |
| ${ }^{17} \mathrm{~A}$ | F | R |  | $\mathrm{J}^{18} \mathrm{~S}$ | T | R | A | A T | ${ }^{19}$ E | D | M | A |  |  |
| ${ }^{20}$ T | 1 | N |  | ${ }^{21} 1$ | R | K |  |  | ${ }^{22} \mathrm{M}$ |  |  |  |  |  |
| ${ }^{23}$ | C | E |  | G | E | E |  | ${ }^{25}$ | 1 | A |  |  |  |  |
| ${ }^{26}$ | E | A | C | H | E | R | ${ }^{2}$ | N | L | L | ${ }^{29} \mathrm{~F}$ |  |  |  |
|  |  |  | ${ }^{3} \mathrm{H}$ | H | S |  | ${ }^{3} \mathrm{~A}$ | A N |  |  | A | G |  |  |
| , | ${ }^{37} \mathrm{~A}$ | ${ }^{38}$ | E | S |  | ${ }^{\text {A }}$ |  |  |  | 0 |  |  |  |  |
| A | N | E | W |  | ${ }^{2} \mathrm{~A}$ | w |  |  | ${ }^{43}$ | v | S |  |  |  |
| ${ }^{14}$ | N | L | Y | A | F | R |  | A ${ }^{46} \mathrm{C}$ | T |  | $0$ | ${ }^{47} \mathrm{~N}$ |  |  |
|  |  |  |  | S | L |  |  | ${ }^{51} \mathrm{H}$ | E | S |  | U |  |  |
| ${ }^{53} \mathrm{~A}^{5}$ | ${ }^{54} \mathrm{~N}$ | $5 \mathrm{O}$ | P | 1 | A |  | T | T A | R | A |  | ${ }^{58}$ |  |  |
| J | O | B | S | S A | T |  | S | S F | A | C |  |  |  |  |
| A | P |  | A |  |  | R | A | A F |  |  | ${ }^{4} \mathrm{E}$ |  |  |  |
| R | $E$ | S | T | S |  | E | R | R S | E |  | ${ }^{67} \mathrm{~N}$ | E | E | E |

## Puzzle 195

| ${ }^{1} \mathrm{~B}$ | ${ }^{2} \mathrm{E}$ | ${ }^{3} \mathrm{~A}$ |  |  |  |  |  |  |  |  |  |  | ${ }^{2} \mathrm{R}$ | A |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | A | B | A |  | ${ }^{15} \mathrm{E}$ | R | L | E |  | ${ }^{16} \mathrm{R}$ | E | L | A | X |
| ${ }^{17}$ S | T | 0 |  |  | ${ }^{18} \mathrm{~B}$ | 0 | A | R |  | ${ }^{19} \mathrm{~A}$ | w | A | K | E |
| ${ }^{2} \mathrm{~S}$ | 1 | M | P | ${ }^{21} \mathrm{~L}$ | E | S | 1 | M | ${ }^{22} \mathrm{O}$ | N |  | ${ }^{\text {M }}$ |  | D |
| ${ }^{24}$ | N | B | A | C | K |  |  | 5 | M | 1 | ${ }^{26}$ L | E |  |  |
|  |  |  |  | ${ }^{27}$ | A | ${ }^{28}$ | 1 |  | ${ }^{30} \mathrm{~S}$ | A | 1 | N | ${ }^{31} \mathrm{~T}$ | S |
| ${ }^{3} \mathrm{~S}$ | P | ${ }^{35} \mathrm{C}$ | A |  | ${ }^{37}$ | A | R | ${ }^{8}$ | K | N | 0 | c | K | S |
| H | E | A | R | ${ }^{40} \mathrm{~A}$ |  | ${ }_{1}^{1}$ | K | E |  | S | N | o | 0 |  |
| E | A | S | Y | S | ${ }^{4}$ T | R | E | E | T |  | ${ }^{46}$ | s | S | S |
| P | R | E | A | C | H |  | ${ }^{48}$ | S | 0 | ${ }^{49} \mathrm{~S}$ |  |  |  |  |
|  |  | S | N | E | E | R |  |  | W | R | E | A | K | S |
| P | 1 | T |  | T | 0 |  | ${ }^{60} \mathrm{G}$ | H | C | 0 | 0 | K |  | E |
| ${ }^{2}$ | c | $\cup$ | L |  |  | ${ }^{54}$ | L | E | A |  | 5 |  | T | E |
| M | E | D |  | C |  | N | E | A | R |  |  | T | E | s |
| S | T | Y | E | S |  | ${ }^{70} \mathrm{~S}$ | E | T | S |  | ${ }^{71} \mathrm{~N}$ | A | S | T |

## Puzzle 196

$\qquad$

| ${ }^{1}$ G | O | E | S |  | B | 0 | ${ }^{7} \mathrm{Z}$ | ${ }^{8}$ |  |  |  |  |  | S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | N | N | A |  | ${ }^{15} \mathrm{R}$ | 0 | A | C | H |  | ${ }^{16} \mathrm{~B}$ | 1 | A | S |
| ${ }^{17} \mathrm{R}$ | E | D | S | ${ }^{18} \mathrm{~N}$ | A | P | P | E | R |  | ${ }^{19} \mathrm{~A}$ | N | T | S |
| ${ }^{20} \mathrm{O}$ | R | 1 | S | 0 | N |  |  | ${ }^{21} \mathrm{~L}$ | E | ${ }^{22} \mathrm{~A}$ | D | E | R |  |
| ${ }^{23} \mathrm{~T}$ | 0 | N | E | R |  | ${ }^{24}$ S | ${ }^{25} \mathrm{C}$ | 0 | W | L |  | ${ }^{26} \mathrm{~A}$ | 0 | K |
| ${ }^{28}$ T | U | G | S |  | T | H | A | T |  | ${ }^{30} \mathrm{M}$ | A | G | N | A |
| ${ }^{32} \mathrm{E}$ | S | S |  | T | R | 0 | T |  | ${ }^{34} \mathrm{~F}$ | 0 | R | E | S | T |
|  |  |  | ${ }^{35}$ W | H | 1 | T | E | ${ }^{36}$ w | 1 | N | E |  |  |  |
| B | O | ${ }^{39} 0$ | H | 0 | 0 |  | ${ }^{40} \mathrm{R}$ | 0 | A | D |  | P | 1 | G |
| ${ }^{44} \mathrm{E}$ | P | S | 0 | M |  | P | E | R |  |  | ${ }^{46}$ | H | 0 | 0 |
| ${ }^{47}$ D | A | M |  | ${ }^{48} \mathrm{~A}$ | ${ }^{49} \mathrm{C}$ | 0 | R | N |  | ${ }^{50}$ | 1 | A | N | A |
|  | ${ }^{51} \mathrm{C}$ | 0 | ${ }^{52} \mathrm{~N}$ | S | U | L |  |  | S | U | N | S | E | T |
| R | 1 | S | E |  | ${ }^{55} B$ | L | ${ }^{56}$ | E | C | H | E | E | S | E |
| ${ }^{58}$ | T | 1 | S |  | ${ }^{59} \mathrm{~A}$ | 0 | R | T | A |  | ${ }^{60} \mathrm{M}$ | 1 | C | E |
| ${ }^{61} \mathrm{M}$ | Y | S | T |  | ${ }^{62} \mathrm{~N}$ | 1 | N | E | R |  | ${ }^{63} \mathrm{~A}$ | N | 0 | S |

Puzzle 197

| E | L | B |  |  |  |  | ${ }^{7}$ U | ${ }^{8} \mathrm{E}$ |  |  |  | L | 0 | P |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{z}$ | 1 | $\bigcirc$ | N |  | ${ }^{15}$ | A | R | R G | E |  | ${ }^{16} \mathrm{R}$ | 1 | V | E |
| R | E | A | D | ${ }^{18} \mathrm{Y}$ | 0 | R | N | O | T |  | ${ }^{19} \mathrm{E}$ | T | A |  |
| ${ }^{20} \mathrm{~A}$ | U | S | T | E | R | E |  |  | , | T | S | E | L |  |
|  |  |  | H | A |  |  |  | ${ }^{25} \mathrm{E}$ | N | S | E |  |  |  |
| ${ }^{26}$ L | A | $Y$ | E | R |  | ${ }^{29}$ | A | A |  | A | L | B | U | M |
| ${ }^{\text {L }}$ | E | A | A |  | ${ }^{35}$ | 0 | R | R E | ${ }^{36} \mathrm{O}$ | R | L | E | S | S |
| ${ }^{37}$ A | S | H |  | ${ }^{38}$ T | A | M | A | A L | E |  |  | ${ }^{9} \mathrm{G}$ | A | D |
| ${ }^{20} \mathrm{~N}$ | 0 | w | ${ }^{41} \mathrm{O}$ | R | N | E | V | V E | R |  | ${ }^{2} \mathrm{G}$ |  | G |  |
| - | P | E | R | A |  | ${ }^{44}$ L | A |  |  | ${ }^{45}$ |  |  | E | S |
|  |  |  | ${ }^{\text {A }}$ | C | ${ }^{47} \mathrm{~T}$ | 0 |  |  | ${ }^{8} \mathrm{~S}$ | A | N |  |  |  |
| B | O | R | R | E | 0 |  |  | L | O | w | M | ${ }^{3} \mathrm{~A}$ | ${ }^{54} \mathrm{~S}$ | ${ }^{55} \mathrm{~S}$ |
| A | G | O | G |  |  |  |  | O | R | N |  | G | H |  |
| D | E | L | E |  | A | L | E | U |  |  | , | E | 0 |  |
| ${ }^{3} \mathrm{E}$ | E | L |  |  | ${ }^{64} \mathrm{Y}$ | E | A | A T | S |  | ${ }^{65} \mathrm{~L}$ | E | E | R |

Puzzle 198

| B |  | A |  |  |  | A | ${ }^{7} \mathrm{R}$ |  |  |  |  | T | 0 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~L}$ | A | D | L | E |  | ${ }^{15} \mathrm{~L}$ | 0 | 0 |  |  | R | A | K | E |
| ${ }^{17}$ | N | A | 1 | R |  | ${ }^{18} \mathrm{~L}$ | 0 | H | E | ${ }^{19} \mathrm{~N}$ | G | R | 1 | N |
| ${ }^{20} \mathrm{C}$ | A | R | M | E | ${ }^{21}$ |  | ${ }^{2} \mathrm{M}$ | A | R | 0 | 0 | N | E | D |
| ${ }^{23}$ | 1 | S |  | ${ }^{24} \mathrm{~S}$ | U | ${ }^{25} \mathrm{P}$ |  | ${ }^{26}$ | A | N |  |  |  |  |
|  |  |  | ${ }^{27} \mathrm{C}$ | A | R | L | ${ }^{2} \mathrm{~A}$ |  | ${ }^{29} \mathrm{~S}$ | A | ${ }^{30}$ T | 1 | N | S |
| ${ }^{\text {E }}$ E | W | E | R |  | ${ }^{7}$ | E | C | ${ }^{38} \mathrm{~S}$ |  | ${ }^{39} \mathrm{G}$ | E | N | 0 | A |
| M | A | D | A | ${ }^{41}$ | E | B | 0 | T | T | E | R | F | L |  |
| ${ }^{43} 1$ | N | A | N | E |  | ${ }^{4}$ | T | 1 | R |  | ${ }^{45} \mathrm{C}$ |  |  | S |
| ${ }^{46}$ | E | M | E | D |  |  | E | L | 1 | ${ }^{49}$ T | E |  |  |  |
|  |  |  |  | 1 | A | N |  | T | 0 | R |  | R |  | A P |
| ${ }^{56}$ | N | A | W | A | R | E | S |  |  |  | ${ }^{62}$ | 0 | M | E |
| R | 1 | G | 0 | L |  | T |  |  |  | C | U | B | 1 |  |
| ${ }^{\text {E/ }}$ A | L | 0 | E |  | S | T | 0 | w |  | E | R | O | D | E |
| ${ }^{69}$ | E | G | S |  | ${ }^{70} \mathrm{~T}$ | Y | P | E |  | ${ }^{71} \mathrm{D}$ | E | T | E | R |

## Puzzle 199

|  |  | ${ }^{3} \mathrm{D}$ | ${ }^{4} \mathrm{E}$ |  |  | ${ }^{6} \mathrm{~A}$ |  | ${ }^{8} \mathrm{~S}$ |  |  | ${ }^{10} \mathrm{O}$ |  | E | S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | R | 1 | A |  | ${ }^{15} \mathrm{~S}$ | 1 | L | - 0 |  | ${ }^{16} \mathrm{~A}$ | N |  | M | A |
| ${ }^{17}$ S | E | A | $R$ |  | ${ }^{18} \mathrm{E}$ | T | A | L |  | ${ }^{19} \mathrm{M}$ | 0 | T | 1 | F |
| ${ }^{20} \mathrm{H}$ | 0 | R | N | ${ }^{21} \mathrm{E}$ | T |  | ${ }^{2}$ | 0 | ${ }^{23} \mathrm{~S}$ | E |  | ${ }^{24}$ | L | E |
|  |  | ${ }^{25}$ | E | A | S | ${ }^{26} \mathrm{~T}$ |  | ${ }^{27}$ G | A | R | ${ }^{28} \mathrm{D}$ | N | E | R |
| ${ }^{29} \mathrm{~F}$ | ${ }^{30}$ | R | S | T | E | R |  | ${ }^{31}$ | V | A | N |  |  |  |
| E | L | A | T | E |  | A | R | G | $\bigcirc$ |  | ${ }^{35}$ | B | B |  |
| L | E | 1 |  | , | ${ }^{41} \mathrm{~A}$ | P | T | 0 | R | S |  | 0 | R |  |
| ${ }^{4}$ | 0 | D | 0 |  | ${ }^{46} \mathrm{R}$ | E |  |  |  | ${ }^{47} \mathrm{E}$ | S | S | E | N |
|  |  |  | ${ }^{49} \mathrm{~W}$ | H | 1 | Z |  | ${ }^{51} \mathrm{O}$ | ${ }^{52}$ B | 0 |  | S |  |  |
| R | E | L | E | A | S | E |  | ${ }^{56}$ S | A | U | T | E |  |  |
| A | G | 0 |  | ${ }^{58}$ | E | , | S |  | ${ }^{\text {s0 }}$ S |  | U | S | ${ }^{61}$ |  |
| ${ }^{3}$ | R | 1 | ${ }^{4}$ | P |  | ${ }_{\text {A }}$ |  | ${ }^{56}$ | A |  | ${ }^{67}$ A | S | E | A |
| ${ }^{88}$ | E | R | 1 | E |  | ${ }^{\text {R }}$ | 0 | 1 |  |  | ${ }^{70} \mathrm{~T}$ | O | R | R |
| S | T | E | R | N |  | T | E | N |  |  | ${ }^{\text {E }}$ E | B | 0 | N |

## Puzzle 200

390 Part III: The Payoff: Checking Your Answers $\qquad$

|  |  |  | ${ }^{4} \mathrm{E}$ | ${ }^{5} \mathrm{M}$ |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{~A}$ | S | 1 | D | E | S |  | ${ }^{15} \mathrm{~A}$ | U | D |  |  | ${ }^{16}$ | U | R |
| ${ }^{17} \mathrm{C}$ | H | A | A 1 | R | P | ${ }^{18} \mathrm{E}$ | R | S | O | N |  | ${ }^{19} \mathrm{U}$ | F | 0 |
|  |  |  | ${ }^{20} \mathrm{~B}$ | L | Y | T | H | E |  | D | ${ }^{22} \mathrm{E}$ | C | A |  |
| ${ }^{23} \mathrm{~A}$ | ${ }^{24} 1$ | ${ }^{25}$ | L | E |  | ${ }^{26} \mathrm{H}$ | O | S | ${ }^{T}$ |  | ${ }^{8} \mathrm{P}$ | H |  |  |
| ${ }^{\text {G }}$ | A | T | E |  | R | 1 | P |  | ${ }^{31} \mathrm{~A}$ | D | 0 | P |  | s |
| E | G | 0 |  | ${ }^{34} \mathrm{M}$ | A | C | S |  | ${ }^{35}$ | 1 | C | 0 |  |  |
| ${ }^{36}$ | 0 | 0 | ${ }^{37}$ | A | D | S |  | ${ }^{8}$ | R 1 | G | H | T | ${ }^{39}$ | ${ }^{40} \mathrm{~N}$ |
|  |  | ${ }^{41} \mathrm{~L}$ | 0 | R |  |  | ${ }^{42} \mathrm{R}$ | E | F | S |  | ${ }^{43} \mathrm{~A}$ | D | 0 |
| B | ${ }^{\text {Y }}$ | P | A | S | S |  | E | L |  |  | S | T | E | M |
| ${ }^{18} \mathrm{R}$ | A | 1 | L |  |  | I | F |  |  | C | H |  | S | E |
| ${ }^{52} \mathrm{~A}$ | N | G |  | E |  | ${ }^{54} \mathrm{~N}$ | 0 |  | ${ }^{55} \mathrm{~A}$ | L | E |  |  |  |
| ${ }^{56}$ | K | E |  | B | ${ }^{58}$ E | N | C | H | W | A | R |  |  | ${ }^{61}$ |
| ${ }^{52}$ | E | 0 |  | B | L | E | U |  | ${ }^{64}$ E | R | R | A | T |  |
| Y | E | N |  | ${ }^{6}$ |  | R | R S |  | ${ }^{67}$ S | K | Y | W | A | Y |

Puzzle 201

|  | E | ${ }^{\text {J }}$ T |  | 0 |  |  | C | ${ }^{8} \mathrm{~m}$ | ${ }^{9}$ E |  |  |  | T | T |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{14} \mathrm{O}$ | M | A | H | A |  | ${ }^{\text {M }}$ | A | R | x |  | ${ }^{16}$ S | H | 0 | 0 |  |
| ${ }^{17}$ U | P | P | E | R |  | 1 | M |  |  |  | ${ }^{15}$ | E |  | R |  |
| ${ }^{20} \mathrm{~S}$ | T | E | T |  | ${ }^{21}$ | G | E |  |  | M | 1 | A | M | M |  |
| ${ }^{23} \mathrm{~T}$ | Y | R | 0 |  | ${ }^{24} \mathrm{G}$ | O | L | ${ }^{25} \mathrm{~F}$ | ${ }^{26} \mathrm{E}$ | R | S | P |  | G |  |
|  |  |  | R | ${ }^{28}$ | S |  |  | ${ }^{29} \mathrm{~L}$ | A | S | T | S |  |  |  |
| ${ }^{30} \mathrm{~J}$ | ${ }^{31} \mathrm{O}$ | L | 1 | E |  | B | R | A | s |  |  | ${ }^{35}$ |  |  |  |
| ${ }^{38} \mathrm{E}$ | L | E | C | T | ${ }^{39} \mathrm{R}$ | 1 | C |  | T |  | ${ }^{1} \mathrm{w}$ | O |  |  |  |
|  | E |  |  |  | ${ }^{3}$ | R | A |  |  | ${ }^{4}$ |  |  |  |  |  |
|  |  | ${ }^{45} \mathrm{H}$ | ${ }^{46}$ | 1 | S | T |  |  | ${ }^{8} \mathrm{E}$ | S |  |  |  |  |  |
|  | ${ }^{\text {H0}}$ | A | C | K | S | H | ${ }^{51}$ A | R R |  |  | ${ }^{53} \mathrm{D}$ | A |  |  |  |
| ${ }^{5} \mathrm{H}$ | A | R | T | E |  |  | ${ }^{58} \mathrm{~N}$ | E | - |  | B | O |  | A |  |
| ${ }^{50}$ | L | G | A |  |  | ${ }^{62} \mathrm{~A}$ | G | E |  |  | 0 | R |  |  |  |
| ${ }^{64} \mathrm{O}$ | v |  | D |  | O | 1 | L |  |  |  | A | T |  |  |  |
| ${ }^{67} \mathrm{P}$ | E | C | S |  | ${ }_{6}^{68}$ | L | E | E |  | ${ }^{69} \mathrm{~F}$ | R | A |  | N K | K |

Puzzle 202

| 1 | 2 | 4 | 7 | 3 | 6 | 8 | 9 | 5 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 3 | 5 | 8 | 9 | 1 | 4 | 6 | 7 | 2 |
| 6 | 9 | 7 | 8 | 5 | 2 | 4 | 1 | 3 |
| 8 | 3 | 1 | 6 | 4 | 5 | 7 | 2 | 9 |
| 9 | 4 | 5 | 2 | 7 | 1 | 3 | 8 | 6 |
| 2 | 7 | 6 | 3 | 8 | 9 | 5 | 4 | 1 |
| 7 | 8 | 9 | 1 | 6 | 3 | 2 | 5 | 4 |
| 5 | 1 | 3 | 4 | 2 | 7 | 9 | 6 | 8 |
| 4 | 6 | 2 | 5 | 9 | 8 | 1 | 3 | 7 |

Puzzle 203

| 2 | 5 | 4 | 6 | 3 | 9 | 1 | 7 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 9 | 8 | 6 | 7 | 4 | 1 | 5 | 3 | 2 |
| 1 | 3 | 7 | 8 | 2 | 5 | 4 | 9 | 6 |
| 6 | 1 | 5 | 3 | 9 | 4 | 8 | 2 | 7 |
| 7 | 9 | 2 | 1 | 5 | 8 | 6 | 4 | 3 |
| 3 | 4 | 8 | 2 | 6 | 7 | 9 | 1 | 5 |
| 8 | 6 | 1 | 9 | 7 | 2 | 3 | 5 | 4 |
| 5 | 7 | 3 | 4 | 1 | 6 | 2 | 8 | 9 |
| 4 | 2 | 9 | 5 | 8 | 3 | 7 | 6 | 1 |

Puzzle 204

| 3 | 7 | 1 | 8 | 5 | 6 | 9 | 2 | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 4 | 9 | 5 | 2 | 1 | 7 | 3 | 6 | 8 |
| 6 | 2 | 8 | 4 | 3 | 9 | 1 | 5 | 7 |
| 9 | 4 | 6 | 7 | 2 | 1 | 5 | 8 | 3 |
| 5 | 8 | 7 | 6 | 4 | 3 | 2 | 1 | 9 |
| 1 | 3 | 2 | 5 | 9 | 8 | 4 | 7 | 6 |
| 7 | 5 | 9 | 1 | 8 | 4 | 6 | 3 | 2 |
| 2 | 6 | 3 | 9 | 7 | 5 | 8 | 4 | 1 |
| 8 | 1 | 4 | 3 | 6 | 2 | 7 | 9 | 5 |

## Puzzle 205

392 Part III: The Payoff: Checking Your Answers $\qquad$

| 9 | 7 | 5 | 8 | 2 | 1 | 3 | 4 | 6 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 6 | 3 | 2 | 4 | 5 | 7 | 1 | 8 | 9 |
| 4 | 1 | 8 | 3 | 6 | 9 | 5 | 7 | 2 |
| 2 | 6 | 1 | 5 | 4 | 3 | 8 | 9 | 7 |
| 8 | 5 | 4 | 9 | 7 | 2 | 6 | 3 | 1 |
| 7 | 9 | 3 | 1 | 8 | 6 | 4 | 2 | 5 |
| 3 | 4 | 9 | 7 | 1 | 5 | 2 | 6 | 8 |
| 1 | 2 | 7 | 6 | 3 | 8 | 9 | 5 | 4 |
| 5 | 8 | 6 | 2 | 9 | 4 | 7 | 1 | 3 |

Puzzle 206

| 8 | 5 | 9 | 7 | 1 | 2 | 3 | 6 | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 7 | 3 | 2 | 5 | 4 | 6 | 8 | 9 | 1 |
| 1 | 6 | 4 | 9 | 8 | 3 | 2 | 7 | 5 |
| 3 | 7 | 1 | 8 | 9 | 5 | 6 | 4 | 2 |
| 4 | 2 | 6 | 1 | 3 | 7 | 5 | 8 | 9 |
| 9 | 8 | 5 | 2 | 6 | 4 | 1 | 3 | 7 |
| 2 | 9 | 3 | 6 | 7 | 1 | 4 | 5 | 8 |
| 5 | 4 | 8 | 3 | 2 | 9 | 7 | 1 | 6 |
| 6 | 1 | 7 | 4 | 5 | 8 | 9 | 2 | 3 |

Puzzle 207

| 6 | 7 | 8 | 4 | 5 | 2 | 1 | 3 | 9 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 9 | 5 | 2 | 8 | 3 | 1 | 7 | 6 | 4 |
| 4 | 3 | 1 | 7 | 9 | 6 | 5 | 8 | 2 |
| 3 | 2 | 4 | 6 | 1 | 9 | 8 | 7 | 5 |
| 5 | 8 | 6 | 2 | 7 | 4 | 9 | 1 | 3 |
| 7 | 1 | 9 | 3 | 8 | 5 | 4 | 2 | 6 |
| 1 | 6 | 5 | 9 | 2 | 8 | 3 | 4 | 7 |
| 2 | 9 | 7 | 1 | 4 | 3 | 6 | 5 | 8 |
| 8 | 4 | 3 | 5 | 6 | 7 | 2 | 9 | 1 |

Puzzle 208

| 4 | 3 | 1 | 9 | 6 | 2 | 5 | 7 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2 | 5 | 7 | 3 | 8 | 4 | 1 | 9 | 6 |
| 6 | 8 | 9 | 1 | 7 | 5 | 4 | 3 | 2 |
| 7 | 2 | 4 | 5 | 9 | 3 | 8 | 6 | 1 |
| 3 | 6 | 8 | 7 | 4 | 1 | 9 | 2 | 5 |
| 1 | 9 | 5 | 8 | 2 | 6 | 7 | 4 | 3 |
| 9 | 4 | 3 | 2 | 5 | 8 | 6 | 1 | 7 |
| 8 | 1 | 6 | 4 | 3 | 7 | 2 | 5 | 9 |
| 5 | 7 | 2 | 6 | 1 | 9 | 3 | 8 | 4 |

## Puzzle 209

| 2 | 7 | 6 | 3 | 5 | 9 | 1 | 8 | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 5 | 3 | 4 | 2 | 8 | 1 | 7 | 9 | 6 |
| 9 | 8 | 1 | 4 | 6 | 7 | 2 | 3 | 5 |
| 8 | 9 | 3 | 5 | 2 | 6 | 4 | 1 | 7 |
| 4 | 1 | 5 | 9 | 7 | 8 | 6 | 2 | 3 |
| 6 | 2 | 7 | 1 | 4 | 3 | 9 | 5 | 8 |
| 7 | 6 | 9 | 8 | 3 | 2 | 5 | 4 | 1 |
| 3 | 4 | 2 | 7 | 1 | 5 | 8 | 6 | 9 |
| 1 | 5 | 8 | 6 | 9 | 4 | 3 | 7 | 2 |

## Puzzle 210

| 3 | 5 | 4 | 6 | 2 | 7 | 1 | 9 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1 | 6 | 8 | 9 | 4 | 3 | 5 | 2 | 7 |
| 2 | 7 | 9 | 1 | 5 | 8 | 3 | 6 | 4 |
| 9 | 4 | 6 | 8 | 1 | 2 | 7 | 3 | 5 |
| 5 | 2 | 3 | 4 | 7 | 9 | 8 | 1 | 6 |
| 7 | 8 | 1 | 3 | 6 | 5 | 9 | 4 | 2 |
| 8 | 9 | 5 | 2 | 3 | 6 | 4 | 7 | 1 |
| 4 | 3 | 2 | 7 | 8 | 1 | 6 | 5 | 9 |
| 6 | 1 | 7 | 5 | 9 | 4 | 2 | 8 | 3 |

## Puzzle 211

394 Part III: The Payoff: Checking Your Answers $\qquad$

| 7 | 8 | 9 | 3 | 6 | 2 | 4 | 1 | 5 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1 | 3 | 2 | 4 | 5 | 7 | 6 | 8 | 9 |
| 5 | 6 | 4 | 1 | 9 | 8 | 3 | 7 | 2 |
| 9 | 5 | 6 | 2 | 3 | 1 | 8 | 4 | 7 |
| 4 | 7 | 3 | 5 | 8 | 6 | 9 | 2 | 1 |
| 8 | 2 | 1 | 9 | 7 | 4 | 5 | 3 | 6 |
| 3 | 9 | 7 | 8 | 1 | 5 | 2 | 6 | 4 |
| 6 | 4 | 8 | 7 | 2 | 9 | 1 | 5 | 3 |
| 2 | 1 | 5 | 6 | 4 | 3 | 7 | 9 | 8 |

Puzzle 212

| 2 | 3 | 7 | 6 | 5 | 1 | 8 | 4 | 9 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 9 | 1 | 8 | 4 | 7 | 2 | 5 | 6 | 3 |
| 4 | 6 | 5 | 9 | 3 | 8 | 7 | 1 | 2 |
| 6 | 8 | 3 | 1 | 9 | 7 | 2 | 5 | 4 |
| 1 | 5 | 4 | 8 | 2 | 3 | 9 | 7 | 6 |
| 7 | 2 | 9 | 5 | 6 | 4 | 3 | 8 | 1 |
| 3 | 4 | 2 | 7 | 8 | 6 | 1 | 9 | 5 |
| 5 | 7 | 1 | 2 | 4 | 9 | 6 | 3 | 8 |
| 8 | 9 | 6 | 3 | 1 | 5 | 4 | 2 | 7 |

## Puzzle 213

| 7 | 8 | 6 | 4 | 1 | 9 | 2 | 5 | 3 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2 | 3 | 1 | 6 | 8 | 5 | 9 | 7 | 4 |
| 5 | 4 | 9 | 3 | 2 | 7 | 8 | 6 | 1 |
| 1 | 5 | 8 | 9 | 6 | 3 | 4 | 2 | 7 |
| 3 | 7 | 2 | 8 | 4 | 1 | 5 | 9 | 6 |
| 6 | 9 | 4 | 7 | 5 | 2 | 1 | 3 | 8 |
| 9 | 1 | 3 | 5 | 7 | 8 | 6 | 4 | 2 |
| 4 | 2 | 7 | 1 | 9 | 6 | 3 | 8 | 5 |
| 8 | 6 | 5 | 2 | 3 | 4 | 7 | 1 | 9 |

Puzzle 214

| 1 | 3 | 2 | 7 | 9 | 6 | 8 | 5 | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 4 | 8 | 7 | 5 | 3 | 2 | 9 | 1 | 6 |
| 9 | 5 | 6 | 4 | 8 | 1 | 2 | 7 | 3 |
| 3 | 4 | 5 | 8 | 1 | 7 | 6 | 2 | 9 |
| 6 | 1 | 8 | 9 | 2 | 5 | 3 | 4 | 7 |
| 7 | 2 | 9 | 3 | 6 | 4 | 5 | 8 | 1 |
| 5 | 7 | 3 | 2 | 4 | 9 | 1 | 6 | 8 |
| 8 | 6 | 4 | 1 | 5 | 3 | 7 | 9 | 2 |
| 2 | 9 | 1 | 6 | 7 | 8 | 4 | 3 | 5 |

Puzzle 215

| 8 | 4 | 3 | 5 | 9 | 6 | 7 | 2 | 1 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 9 | 1 | 5 | 3 | 7 | 2 | 4 | 8 | 6 |
| 6 | 7 | 2 | 4 | 8 | 1 | 9 | 5 | 3 |
| 4 | 9 | 8 | 7 | 1 | 5 | 3 | 6 | 2 |
| 2 | 6 | 1 | 9 | 3 | 4 | 8 | 7 | 5 |
| 3 | 5 | 7 | 2 | 6 | 8 | 1 | 4 | 9 |
| 5 | 2 | 9 | 1 | 4 | 7 | 6 | 3 | 8 |
| 7 | 3 | 6 | 8 | 5 | 9 | 2 | 1 | 4 |
| 1 | 8 | 4 | 6 | 2 | 3 | 5 | 9 | 7 |

Puzzle 216

| 6 | 8 | 2 | 7 | 9 | 4 | 1 | 5 | 3 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1 | 3 | 9 | 8 | 5 | 2 | 6 | 7 | 4 |
| 5 | 7 | 4 | 3 | 6 | 1 | 9 | 2 | 8 |
| 9 | 4 | 3 | 5 | 2 | 6 | 8 | 1 | 7 |
| 2 | 1 | 5 | 9 | 8 | 7 | 3 | 4 | 6 |
| 8 | 6 | 7 | 4 | 1 | 3 | 2 | 9 | 5 |
| 7 | 5 | 6 | 2 | 3 | 9 | 4 | 8 | 1 |
| 4 | 9 | 1 | 6 | 7 | 8 | 5 | 3 | 2 |
| 3 | 2 | 8 | 1 | 4 | 5 | 7 | 6 | 9 |

Puzzle 217

396 Part III: The Payoff: Checking Your Answers $\qquad$

| 2 | 8 | 6 | 7 | 1 | 5 | 3 | 9 | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 7 | 3 | 4 | 2 | 9 | 8 | 6 | 5 | 1 |
| 1 | 5 | 9 | 4 | 3 | 6 | 8 | 2 | 7 |
| 6 | 7 | 3 | 8 | 2 | 1 | 5 | 4 | 9 |
| 5 | 1 | 8 | 6 | 4 | 9 | 7 | 3 | 2 |
| 9 | 4 | 2 | 5 | 7 | 3 | 1 | 8 | 6 |
| 4 | 9 | 5 | 1 | 8 | 7 | 2 | 6 | 3 |
| 3 | 6 | 7 | 9 | 5 | 2 | 4 | 1 | 8 |
| 8 | 2 | 1 | 3 | 6 | 4 | 9 | 7 | 5 |

Puzzle 218

| 4 | 1 | 8 | 6 | 7 | 3 | 5 | 2 | 9 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2 | 5 | 3 | 9 | 4 | 8 | 6 | 7 | 1 |
| 7 | 9 | 6 | 2 | 1 | 5 | 4 | 8 | 3 |
| 3 | 8 | 1 | 4 | 2 | 7 | 9 | 6 | 5 |
| 6 | 7 | 9 | 5 | 3 | 1 | 8 | 4 | 2 |
| 5 | 2 | 4 | 8 | 6 | 9 | 3 | 1 | 7 |
| 8 | 4 | 5 | 7 | 9 | 2 | 1 | 3 | 6 |
| 1 | 6 | 2 | 3 | 5 | 4 | 7 | 9 | 8 |
| 9 | 3 | 7 | 1 | 8 | 6 | 2 | 5 | 4 |

Puzzle 219

| 7 | 5 | 1 | 6 | 2 | 4 | 9 | 3 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 8 | 3 | 4 | 9 | 7 | 5 | 2 | 6 | 1 |
| 9 | 2 | 6 | 3 | 1 | 8 | 5 | 7 | 4 |
| 1 | 4 | 9 | 5 | 3 | 7 | 8 | 2 | 6 |
| 6 | 7 | 2 | 8 | 9 | 1 | 3 | 4 | 5 |
| 5 | 8 | 3 | 2 | 4 | 6 | 7 | 1 | 9 |
| 2 | 1 | 5 | 4 | 8 | 3 | 6 | 9 | 7 |
| 3 | 6 | 7 | 1 | 5 | 9 | 4 | 8 | 2 |
| 4 | 9 | 8 | 7 | 6 | 2 | 1 | 5 | 3 |

Puzzle 220

| 3 | 7 | 4 | 8 | 5 | 6 | 2 | 9 | 1 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 6 | 1 | 9 | 4 | 3 | 2 | 7 | 5 | 8 |
| 8 | 5 | 2 | 9 | 1 | 7 | 3 | 4 | 6 |
| 4 | 3 | 6 | 5 | 2 | 1 | 9 | 8 | 7 |
| 5 | 9 | 1 | 3 | 7 | 8 | 6 | 2 | 4 |
| 7 | 2 | 8 | 6 | 9 | 4 | 1 | 3 | 5 |
| 2 | 4 | 3 | 7 | 6 | 5 | 8 | 1 | 9 |
| 1 | 8 | 7 | 2 | 4 | 9 | 5 | 6 | 3 |
| 9 | 6 | 5 | 1 | 8 | 3 | 4 | 7 | 2 |

Puzzle 221

| 6 | 7 | 9 | 2 | 8 | 4 | 1 | 5 | 3 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 4 | 5 | 3 | 1 | 6 | 7 | 9 | 8 | 2 |
| 1 | 8 | 2 | 9 | 3 | 5 | 6 | 4 | 7 |
| 7 | 3 | 1 | 5 | 4 | 6 | 2 | 9 | 8 |
| 2 | 9 | 8 | 7 | 1 | 3 | 5 | 6 | 4 |
| 5 | 6 | 4 | 8 | 2 | 9 | 3 | 7 | 1 |
| 8 | 1 | 6 | 4 | 5 | 2 | 7 | 3 | 9 |
| 3 | 2 | 7 | 6 | 9 | 8 | 4 | 1 | 5 |
| 9 | 4 | 5 | 3 | 7 | 1 | 8 | 2 | 6 |

Puzzle 222

| 6 | 7 | 5 | 9 | 3 | 4 | 8 | 2 | 1 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 9 | 1 | 2 | 8 | 6 | 5 | 4 | 3 | 7 |
| 4 | 3 | 8 | 2 | 7 | 1 | 9 | 5 | 6 |
| 1 | 8 | 3 | 6 | 9 | 7 | 2 | 4 | 5 |
| 2 | 6 | 4 | 5 | 8 | 3 | 7 | 1 | 9 |
| 5 | 9 | 7 | 4 | 1 | 2 | 6 | 8 | 3 |
| 8 | 2 | 9 | 1 | 5 | 6 | 3 | 7 | 4 |
| 3 | 4 | 1 | 7 | 2 | 9 | 5 | 6 | 8 |
| 7 | 5 | 6 | 3 | 4 | 8 | 1 | 9 | 2 |

## Puzzle 223

398 Part III: The Payoff: Checking Your Answers $\qquad$

| 1 | 2 | 6 | 4 | 9 | 8 | 7 | 3 | 5 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 5 | 6 | 4 | 7 | 2 | 3 | 1 | 9 | 8 |
| 8 | 3 | 9 | 5 | 7 | 1 | 6 | 4 | 2 |
| 4 | 7 | 2 | 9 | 1 | 5 | 3 | 8 | 6 |
| 3 | 9 | 1 | 8 | 4 | 6 | 2 | 5 | 7 |
| 9 | 5 | 7 | 6 | 3 | 2 | 8 | 1 | 4 |
| 6 | 1 | 3 | 2 | 8 | 4 | 5 | 7 | 9 |
| 2 | 4 | 8 | 1 | 5 | 7 | 9 | 6 | 3 |
| 7 | 8 | 5 | 3 | 6 | 9 | 4 | 2 | 1 |

## Puzzle 224

| 8 | 3 | 1 | 7 | 9 | 2 | 5 | 6 | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 6 | 4 | 2 | 3 | 5 | 8 | 1 | 7 | 9 |
| 5 | 7 | 9 | 6 | 4 | 1 | 2 | 3 | 8 |
| 3 | 2 | 8 | 4 | 1 | 5 | 6 | 9 | 7 |
| 4 | 5 | 6 | 9 | 2 | 7 | 3 | 8 | 1 |
| 9 | 1 | 7 | 8 | 3 | 6 | 4 | 5 | 2 |
| 1 | 8 | 5 | 2 | 6 | 9 | 7 |  |  |
| 2 | 9 | 4 | 5 | 7 | 3 | 8 | 1 | 6 |
| 7 | 6 | 3 | 1 | 8 | 4 | 9 | 2 | 5 |

Puzzle 225

| 6 | 2 | 9 | 7 | 3 | 1 | 4 | 5 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 3 | 8 | 4 | 9 | 5 | 2 | 1 | 7 | 6 |
| 5 | 1 | 7 | 4 | 6 | 8 | 3 | 9 | 2 |
| 1 | 9 | 2 | 5 | 7 | 6 | 8 | 3 | 4 |
| 7 | 4 | 1 | 2 | 8 | 3 | 5 | 6 | 9 |
| 9 | 6 | 8 | 3 | 4 | 7 | 2 | 1 | 5 |
| 8 | 5 | 3 | 6 | 9 | 4 | 7 | 2 | 1 |
| 2 | 3 | 5 | 8 | 1 | 9 | 6 | 4 | 7 |
| 4 | 7 | 6 | 1 | 2 | 5 | 9 | 8 | 3 |

Puzzle 226

| 7 | 9 | 1 | 4 | 6 | 8 | 2 | 3 | 5 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2 | 5 | 6 | 9 | 7 | 3 | 8 | 1 | 4 |
| 8 | 1 | 4 | 3 | 5 | 2 | 6 | 9 | 7 |
| 4 | 6 | 9 | 8 | 2 | 7 | 3 | 5 | 1 |
| 6 | 3 | 5 | 2 | 1 | 4 | 7 | 8 | 9 |
| 5 | 8 | 7 | 6 | 3 | 9 | 1 | 4 | 2 |
| 9 | 4 | 3 | 7 | 8 | 1 | 5 | 2 | 6 |
| 3 | 7 | 2 | 1 | 4 | 5 | 9 | 6 | 8 |
| 1 | 2 | 8 | 5 | 9 | 6 | 4 | 7 | 3 |

Puzzle 227

| 1 | 7 | 5 | 2 | 4 | 6 | 3 | 9 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 5 | 3 | 2 | 8 | 1 | 9 | 7 | 6 | 4 |
| 4 | 8 | 9 | 6 | 7 | 3 | 5 | 2 | 1 |
| 2 | 9 | 3 | 4 | 8 | 7 | 6 | 1 | 5 |
| 3 | 6 | 7 | 9 | 5 | 1 | 4 | 8 | 2 |
| 7 | 5 | 1 | 3 | 6 | 8 | 2 | 4 | 9 |
| 8 | 1 | 6 | 7 | 2 | 4 | 9 | 5 | 3 |
| 6 | 2 | 4 | 1 | 9 | 5 | 8 | 3 | 7 |
| 9 | 4 | 8 | 5 | 3 | 2 | 1 | 7 | 6 |

Puzzle 228

| 4 | 1 | 5 | 3 | 6 | 9 | 2 | 8 | 7 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 7 | 8 | 2 | 4 | 3 | 1 | 9 | 6 | 5 |
| 9 | 6 | 7 | 5 | 2 | 8 | 1 | 3 | 4 |
| 1 | 5 | 6 | 7 | 9 | 2 | 8 | 4 | 3 |
| 2 | 9 | 8 | 6 | 7 | 3 | 4 | 5 | 1 |
| 5 | 3 | 4 | 8 | 1 | 7 | 6 | 9 | 2 |
| 8 | 4 | 3 | 2 | 5 | 6 | 7 | 1 | 9 |
| 6 | 2 | 9 | 1 | 4 | 5 | 3 | 7 | 8 |
| 3 | 7 | 1 | 9 | 8 | 4 | 5 | 2 | 6 |

Puzzle 229
$\qquad$

| 9 | 5 | 1 | 2 | 3 | 7 | 4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |

Puzzle 230

| 9 | 7 | 1 | 5 | 3 | 2 | 8 | 6 | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 8 | 5 | 3 | 4 | 7 | 6 | 1 | 2 | 9 |
| 2 | 4 | 6 | 1 | 9 | 8 | 7 | 3 | 5 |
| 7 | 9 | 8 | 2 | 1 | 5 | 6 | 4 | 3 |
| 5 | 3 | 4 | 6 | 8 | 7 | 2 | 9 | 1 |
| 6 | 1 | 2 | 3 | 4 | 9 | 5 | 8 | 7 |
| 4 | 8 | 5 | 7 | 6 | 3 | 9 | 1 | 2 |
| 3 | 6 | 7 | 9 | 2 | 1 | 4 | 5 | 8 |
| 1 | 2 | 9 | 8 | 5 | 4 | 3 | 7 | 6 |

Puzzle 231

| 4 | 3 | 9 | 6 | 1 | 5 | 7 | 2 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2 | 4 | 6 | 3 | 7 | 8 | 5 | 1 | 9 |
| 3 | 2 | 4 | 7 | 8 | 9 | 6 | 5 | 1 |
| 9 | 8 | 2 | 5 | 4 | 1 | 3 | 7 | 6 |
| 8 | 5 | 1 | 2 | 3 | 7 | 9 | 6 | 4 |
| 5 | 6 | 7 | 1 | 2 | 4 | 8 | 9 | 3 |
| 7 | 1 | 3 | 9 | 6 | 2 | 4 | 8 | 5 |
| 1 | 9 | 8 | 4 | 5 | 6 | 2 | 3 | 7 |
| 6 | 7 | 5 | 8 | 9 | 3 | 1 | 4 | 2 |

Puzzle 232

| 5 | 1 | 4 | 2 | 3 | 8 | 6 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9 | 7 | 8 | 1 | 4 | 6 | 3 | 2 |
| 2 | 3 | 6 | 7 | 9 | 5 | 8 | 4 |
| 3 | 6 | 9 | 8 | 1 | 7 | 2 | 5 |
| 8 | 4 | 1 | 5 | 2 | 3 | 9 | 7 |
| 7 | 2 | 5 | 4 | 6 | 9 | 1 | 3 |
| 6 | 8 | 7 | 9 | 8 | 2 | 4 | 1 |
| 4 | 9 | 3 | 6 | 5 | 1 | 7 | 8 |
| 1 | 8 | 2 | 3 | 7 | 4 | 5 | 6 |

Puzzle 233

| 4 | 3 | 9 | 1 | 5 | 8 | 6 | 7 | 2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6 | 8 | 7 | 9 | 3 | 2 | 1 | 4 | 5 |
| 2 | 5 | 1 | 4 | 6 | 7 | 3 | 9 | 8 |
| 7 | 1 | 5 | 2 | 9 | 6 | 4 | 8 | 3 |
| 9 | 6 | 3 | 8 | 4 | 1 | 5 | 2 | 7 |
| 8 | 4 | 2 | 3 | 1 | 5 | 9 | 1 | 6 |
| 5 | 9 | 4 | 7 | 8 | 3 | 2 | 6 | 1 |
| 1 | 7 | 6 | 5 | 2 | 4 | 8 | 3 | 9 |
| 3 | 2 | 8 | 6 | 1 | 9 | 7 | 5 | 4 |

Puzzle 234

| 2 | 3 | 4 | 7 | 8 | 6 | 9 | 1 | 5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5 | 8 | 7 | 9 | 1 | 3 | 4 | 2 | 6 |
| 6 | 9 | 1 | 2 | 4 | 5 | 3 | 8 | 7 |
| 3 | 4 | 2 | 8 | 7 | 1 | 6 | 5 | 9 |
| 8 | 7 | 9 | 5 | 6 | 2 | 1 | 3 | 4 |
| 1 | 6 | 5 | 4 | 3 | 9 | 8 | 7 | 2 |
| 9 | 2 | 3 | 1 | 5 | 4 | 7 | 6 | 8 |
| 4 | -1 | 8 | 6 | 2 | 7 | 5 | 9 | 3 |
| 7 | 5 | 6 | 3 | 9 | 8 | 2 | 4 | 1 |

Puzzle 235
$\qquad$

| 6 | 8 | 1 | 3 | 5 | 9 | 7 | 2 | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 7 | 4 | 2 | 8 | 6 | 1 | 3 | 5 | 9 |
| 3 | 9 | 5 | 7 | 2 | 4 | 1 | 8 | 6 |
| 9 | 6 | 4 | 1 | 8 | 3 | 5 | 7 | 2 |
| 1 | 2 | 7 | 5 | 4 | 6 | 8 | 9 | 3 |
| 5 | 3 | 8 | 2 | 9 | 7 | 4 | 6 | 1 |
| 8 | 5 | 3 | 9 | 1 | 2 | 6 | 4 | 7 |
| 2 | 1 | 6 | 4 | 7 | 5 | 9 | 3 | 8 |
| 4 | 7 | 9 | 6 | 3 | 8 | 2 | 1 | 5 |

Puzzle 236

| 3 | 8 | 6 | 9 | 4 | 2 | 7 | 1 | 5 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 5 | 9 | 2 | 8 | 7 | 1 | 3 | 6 | 4 |
| 7 | 1 | 4 | 6 | 3 | 5 | 8 | 2 | 9 |
| 2 | 6 | 1 | 3 | 5 | 7 | 9 | 4 | 8 |
| 8 | 7 | 5 | 4 | 6 | 9 | 2 | 3 | 1 |
| 9 | 4 | 3 | 2 | 1 | 8 | 5 | 7 | 6 |
| 1 | 2 | 7 | 5 | 9 | 6 | 4 | 8 | 3 |
| 6 | 3 | 9 | 7 | 8 | 4 | 1 | 5 | 2 |
| 4 | 5 | 8 | 1 | 2 | 3 | 6 | 9 | 7 |

Puzzle 237

| 3 | 1 | 5 | 4 | 6 | 8 | 2 | 7 | 9 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 9 | 7 | 6 | 5 | 2 | 1 | 3 | 4 | 8 |
| 8 | 2 | 4 | 7 | 9 | 3 | 6 | 5 | 1 |
| 5 | 8 | 7 | 3 | 4 | 9 | 1 | 2 | 6 |
| 2 | 6 | 3 | 1 | 8 | 7 | 5 | 9 | 4 |
| 4 | 9 | 1 | 2 | 5 | 6 | 7 | 8 | 3 |
| 1 | 5 | 2 | 9 | 3 | 4 | 8 | 6 | 7 |
| 7 | 4 | 8 | 6 | 1 | 2 | 9 | 3 | 5 |
| 6 | 3 | 9 | 8 | 7 | 5 | 4 | 1 | 2 |

Puzzle 238

| 5 | 4 | 3 | 7 | 1 | 2 | 8 | 9 | 6 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 9 | 7 | 1 | 5 | 6 | 8 | 4 | 2 | 3 |
| 6 | 3 | 2 | 8 | 4 | 9 | 1 | 7 | 5 |
| 8 | 1 | 7 | 6 | 3 | 4 | 9 | 5 | 2 |
| 7 | 2 | 4 | 1 | 9 | 5 | 3 | 6 | 8 |
| 4 | 6 | 5 | 9 | 8 | 7 | 2 | 3 | 1 |
| 1 | 5 | 9 | 4 | 2 | 3 | 6 | 8 | 7 |
| 2 | 9 | 8 | 3 | 7 | 6 | 5 | 1 | 4 |
| 3 | 8 | 6 | 2 | 5 | 1 | 7 | 4 | 9 |

## Puzzle 239

| 1 | 6 | 9 | 4 | 7 | 5 | 2 | 8 | 3 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 7 | 2 | 4 | 6 | 3 | 8 | 9 | 5 | 1 |
| 8 | 3 | 5 | 1 | 9 | 2 | 6 | 7 | 4 |
| 2 | 9 | 7 | 8 | 6 | 3 | 4 | 1 | 5 |
| 5 | 4 | 8 | 2 | 1 | 9 | 7 | 3 | 6 |
| 6 | 1 | 3 | 5 | 4 | 7 | 8 | 9 | 2 |
| 9 | 8 | 6 | 3 | 5 | 4 | 1 | 2 | 7 |
| 3 | 7 | 1 | 9 | 2 | 6 | 5 | 4 | 8 |
| 4 | 5 | 2 | 7 | 8 | 1 | 3 | 6 | 9 |

Puzzle 240

| 5 | 9 | 1 | 6 | 8 | 3 | 7 | 2 | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2 | 7 | 6 | 4 | 9 | 1 | 3 | 5 | 8 |
| 8 | 4 | 3 | 5 | 2 | 7 | 1 | 9 | 6 |
| 7 | 1 | 8 | 9 | 5 | 4 | 2 | 6 | 3 |
| 4 | 5 | 2 | 3 | 6 | 8 | 9 | 1 | 7 |
| 3 | 6 | 9 | 1 | 7 | 2 | 4 | 8 | 5 |
| 1 | 2 | 7 | 8 | 4 | 6 | 5 | 3 | 9 |
| 6 | 3 | 5 | 7 | 1 | 9 | 8 | 4 | 2 |
| 9 | 8 | 4 | 2 | 3 | 5 | 6 | 7 | 1 |

Puzzle 241

404 Part III: The Payoff: Checking Your Answers $\qquad$

| 1 | 7 | 6 | 9 | 8 | 2 | 5 | 3 | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2 | 5 | 4 | 3 | 6 | 7 | 9 | 1 | 8 |
| 3 | 9 | 8 | 1 | 5 | 4 | 2 | 7 | 6 |
| 4 | 8 | 5 | 2 | 1 | 6 | 7 | 9 | 3 |
| 7 | 1 | 9 | 4 | 3 | 8 | 6 | 2 | 5 |
| 6 | 3 | 2 | 5 | 7 | 9 | 4 | 8 | 1 |
| 9 | 6 | 3 | 7 | 4 | 1 | 8 | 5 | 2 |
| 8 | 2 | 1 | 6 | 9 | 5 | 3 | 4 | 7 |
| 5 | 4 | 7 | 8 | 2 | 3 | 1 | 6 | 9 |

Puzzle 242

| 1 | 8 | 4 | 5 | 9 | 2 | 7 | 6 | 3 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 6 | 3 | 7 | 8 | 1 | 4 | 9 | 5 | 2 |
| 5 | 2 | 9 | 3 | 7 | 6 | 8 | 4 | 1 |
| 7 | 4 | 1 | 9 | 3 | 5 | 6 | 2 | 8 |
| 8 | 5 | 6 | 2 | 4 | 7 | 1 | 3 | 9 |
| 2 | 9 | 3 | 6 | 8 | 1 | 4 | 7 | 5 |
| 4 | 1 | 2 | 7 | 5 | 9 | 3 | 8 | 6 |
| 3 | 7 | 5 | 1 | 6 | 8 | 2 | 9 | 4 |
| 9 | 6 | 8 | 4 | 2 | 3 | 5 | 1 | 7 |

## Puzzle 243

| 7 | 5 | 3 | 9 | 1 | 6 | 2 | 4 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2 | 8 | 1 | 4 | 7 | 5 | 9 | 3 | 6 |
| 9 | 4 | 6 | 8 | 2 | 3 | 7 | 1 | 5 |
| 1 | 9 | 4 | 5 | 3 | 8 | 6 | 2 | 7 |
| 6 | 2 | 7 | 1 | 4 | 9 | 5 | 8 | 3 |
| 8 | 3 | 5 | 2 | 6 | 7 | 4 | 9 | 1 |
| 4 | 6 | 2 | 3 | 5 | 1 | 8 | 7 | 9 |
| 3 | 7 | 9 | 6 | 8 | 4 | 1 | 5 | 2 |
| 5 | 1 | 8 | 7 | 9 | 2 | 3 | 6 | 4 |

Puzzle 244

| 9 | 3 | 1 | 7 | 4 | 6 | 8 | 2 | 5 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 7 | 5 | 6 | 2 | 9 | 8 | 1 | 4 | 3 |
| 4 | 2 | 8 | 5 | 1 | 3 | 9 | 7 | 6 |
| 3 | 8 | 7 | 6 | 5 | 2 | 4 | 1 | 9 |
| 5 | 1 | 2 | 4 | 8 | 9 | 3 | 6 | 7 |
| 6 | 4 | 9 | 3 | 7 | 1 | 5 | 8 | 2 |
| 8 | 9 | 5 | 1 | 2 | 7 | 6 | 3 | 4 |
| 2 | 6 | 4 | 8 | 3 | 5 | 7 | 9 | 1 |
| 1 | 7 | 3 | 9 | 6 | 4 | 2 | 5 | 8 |

## Puzzle 245

| 8 | 6 | 1 | 3 | 9 | 4 | 7 | 2 | 5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9 | 4 | 5 | 7 | 2 | 1 | 3 | 6 | 8 |
| 7 | 2 | 3 | 5 | 8 | 6 | 9 | 4 | 1 |
| 4 | 3 | 8 | 2 | 6 | 7 | 5 | 1 | 9 |
| 5 | 9 | 6 | 1 | 4 | 8 | 2 | 3 | 7 |
| 2 | 1 | 7 | 9 | 5 | 3 | 6 | 8 | 4 |
| 3 | 5 | 2 | 4 | 1 | 9 | 8 | 7 | 6 |
| 1 | 8 | 9 | 6 | 7 | 2 | 4 | 5 | 3 |
| 6 | 7 | 4 | 8 | 3 | 5 | 1 | 9 | 2 |

Puzzle 246

| 6 | 7 | 2 | 5 | 8 | 4 | 9 | 1 | 3 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 3 | 4 | 9 | 1 | 7 | 6 | 8 | 2 | 5 |
| 1 | 5 | 8 | 2 | 3 | 9 | 6 | 7 | 4 |
| 4 | 3 | 5 | 7 | 2 | 8 | 1 | 6 | 9 |
| 9 | 2 | 1 | 6 | 4 | 3 | 5 | 8 | 7 |
| 8 | 6 | 7 | 9 | 1 | 5 | 3 | 4 | 2 |
| 5 | 9 | 4 | 8 | 6 | 2 | 7 | 3 | 1 |
| 2 | 1 | 6 | 3 | 5 | 7 | 4 | 9 | 8 |
| 7 | 8 | 3 | 4 | 9 | 1 | 2 | 5 | 6 |

Puzzle 247
$\qquad$

| 3 | 9 | 1 | 7 | 8 | 2 | 5 | 6 | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 5 | 7 | 2 | 4 | 3 | 6 | 9 | 8 | 1 |
| 4 | 8 | 7 | 6 | 9 | 1 | 3 | 5 | 2 |
| 6 | 3 | 8 | 5 | 1 | 4 | 2 | 9 | 7 |
| 2 | 1 | 9 | 8 | 5 | 7 | 4 | 3 | 6 |
| 8 | 6 | 4 | 3 | 2 | 9 | 7 | 1 | 5 |
| 7 | 2 | 3 | 1 | 6 | 5 | 8 | 4 | 9 |
| 1 | 4 | 5 | 9 | 7 | 8 | 6 | 2 | 3 |
| 9 | 5 | 6 | 2 | 4 | 3 | 1 | 7 | 8 |

Puzzle 248

| 5 | 2 | 3 | 1 | 6 | 4 | 7 | 8 | 9 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 4 | 6 | 8 | 5 | 9 | 3 | 2 | 1 | 7 |
| 9 | 1 | 7 | 3 | 8 | 6 | 5 | 4 | 2 |
| 7 | 9 | 1 | 4 | 2 | 8 | 6 | 3 | 5 |
| 8 | 5 | 2 | 6 | 1 | 7 | 3 | 9 | 4 |
| 3 | 7 | 5 | 9 | 4 | 2 | 1 | 6 | 8 |
| 6 | 3 | 4 | 7 | 5 | 9 | 8 | 2 | 1 |
| 1 | 8 | 9 | 2 | 3 | 5 | 4 | 7 | 6 |
| 2 | 4 | 6 | 8 | 7 | 1 | 9 | 5 | 3 |

## Puzzle 249

| 7 | 4 | 3 | 9 | 6 | 2 | 5 | 8 | 1 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1 | 8 | 4 | 2 | 9 | 5 | 7 | 3 | 6 |
| 6 | 9 | 1 | 5 | 7 | 3 | 8 | 4 | 2 |
| 5 | 7 | 6 | 3 | 2 | 4 | 1 | 9 | 8 |
| 3 | 5 | 8 | 4 | 1 | 9 | 2 | 6 | 7 |
| 2 | 3 | 9 | 6 | 8 | 7 | 4 | 1 | 5 |
| 8 | 1 | 2 | 7 | 4 | 6 | 9 | 5 | 3 |
| 9 | 6 | 7 | 1 | 5 | 8 | 3 | 2 | 4 |
| 4 | 2 | 5 | 8 | 3 | 1 | 6 | 7 | 9 |

Puzzle 250

| 9 | 7 | 4 | 3 | 1 | 2 | 5 | 8 | 6 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1 | 5 | 2 | 6 | 8 | 4 | 3 | 9 | 7 |
| 2 | 1 | 8 | 7 | 5 | 9 | 6 | 4 | 3 |
| 8 | 6 | 9 | 4 | 2 | 3 | 7 | 1 | 5 |
| 4 | 3 | 1 | 9 | 6 | 5 | 2 | 7 | 8 |
| 7 | 4 | 6 | 5 | 3 | 8 | 9 | 2 | 1 |
| 5 | 9 | 3 | 8 | 7 | 1 | 4 | 6 | 2 |
| 3 | 8 | 7 | 2 | 4 | 6 | 1 | 5 | 9 |
| 6 | 2 | 5 | 1 | 9 | 7 | 8 | 3 | 4 |

Puzzle 251

| 4 | 2 | 9 | 7 | 6 | 8 | 5 | 1 | 3 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 5 | 1 | 6 | 4 | 3 | 2 | 7 | 8 | 9 |
| 9 | 7 | 8 | 3 | 5 | 1 | 6 | 2 | 4 |
| 3 | 6 | 2 | 5 | 7 | 9 | 1 | 4 | 8 |
| 6 | 8 | 4 | 1 | 9 | 3 | 2 | 7 | 5 |
| 7 | 5 | 1 | 6 | 8 | 4 | 9 | 3 | 2 |
| 1 | 4 | 3 | 9 | 2 | 7 | 8 | 5 | 6 |
| 2 | 9 | 7 | 8 | 4 | 5 | 3 | 6 | 1 |
| 8 | 3 | 5 | 2 | 1 | 6 | 4 | 9 | 7 |

Puzzle 252

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| 6 | 7 | 5 | 8 | 3 | 2 | 1 | 4 | 9 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 8 | 3 | 2 | 4 | 1 | 9 | 6 | 5 | 7 |
| 1 | 4 | 9 | 5 | 6 | 7 | 8 | 3 | 2 |
| 7 | 5 | 1 | 3 | 4 | 6 | 9 | 2 | 8 |
| 3 | 2 | 4 | 7 | 9 | 8 | 5 | 6 | 1 |
| 5 | 9 | 8 | 6 | 2 | 1 | 3 | 7 | 4 |
| 9 | 6 | 7 | 1 | 5 | 4 | 2 | 8 | 3 |
| 4 | 1 | 6 | 2 | 8 | 3 | 7 | 9 | 5 |
| 2 | 8 | 3 | 9 | 7 | 5 | 4 | 1 | 6 |

Puzzle 253


Puzzle 254


Puzzle 255


Puzzle 256


Puzzle 257


Puzzle 258


Puzzle 259

# Part IV <br> The Part of Tens 

The 5th Wave By Rich Tennant


## In this part . . .

$M$$y$ hope is that the information and puzzles in this book inspire you to make playtime part of your daily (or almost-daily) schedule for the rest of your life. The benefits are great, and the process should be nothing but fun.

Here, I offer two short chapters to complete the inspiration: one that lists ten additional types of puzzles and games you may want to discover (or rediscover); and one that suggests ten ways to become a better puzzler.

## Chapter 6

## Ten Other Types of Puzzles and Games to Keep Your Mind Fit

## In This Chapter

Going for variety
$>$ Having fun with friends
$>$ Bringing your body into the mix

$T$he hardest part of writing this chapter was deciding what to include and what to leave out. There are so many great puzzles and games to keep your mind pumping that the list is pretty much endless. The most important consideration when deciding how to spend your precious free time is fun: Whatever you do has to be interesting enough to get your mental gears cranking, and enjoyable enough to keep you coming back for more.

To make sure you're really keeping your gray matter on its toes, try something new every chance you get. You may just discover some new favorites!

## Oqling Optical Illusions

Optical illusion puzzles are great fun and can be really tricky. They test your powers of perception, as well as your eyesight. If you prefer your puzzles in hard-copy form, you can find books of optical illusions. If you're willing to do some puzzling online, you can find lots of optical illusion puzzles. I like Web sites such as www. brain bashers.com (click on Illusions), www.optical-i11usionist.com, and www.eyetricks.com/illusions.

## Tackling Letter Equations

Letter equations are well-known phrases or facts in which key words have been replaced with just their first letters. They're called equations because they often (but not always) contain a number and an equal sign. For example, a fairly easy one to figure out is

$$
7 \text { = } \mathrm{D} \text { in a W }
$$

The answer is 7 days in a week. A bit more challenging letter equation is something like

$$
15 \mathrm{M} \text { on a D M C }
$$

The answer is 15 men on a dead man's chest. An example of a fact-based letter equation is

$$
88=\mathrm{K} \text { on a } \mathrm{P}
$$

The answer is 88 keys on a piano. The phrases are often easier to figure out than the facts, which can be wellknown to some people but seem obscure to others.

## Chapter 6: Ten Puzzles to Keep Your Mind in Top Shape 415

## Solving Math Puzzles

What? Solve math problems for fun? Am I nuts?
No, not completely. I happen to know that when grades aren't involved, and when you're seeing the math problems in a context other than a textbook, they can be downright enjoyable to solve. Math is a true test of logic, and doing math puzzles on a regular basis builds your memory (so you don't stumble the next time you need to know what $7 \times 6$ equals).

## Assembling Jigsaw Puzzles

Find a good surface so you can spread out the pieces, make sure the lighting is right, and get to work. You can choose an image that appeals to you, the number of pieces you want to work with (300, $500,1,000$, or even more), and even whether you want to work in one dimension or three. Assembling a jigsaw puzzle is a great way to spend a rainy day, but you don't have to wait for foul weather to enjoy the peace of mind that comes from concentrating on such a compact activity.

## Building Models

Maybe as a kid you spent hours putting together model cars, ships, and planes. If so, or even if you've never touched a model kit in your life, this activity has no age limit. The stuff kids learn from constructing models is great stuff for adults to re-learn: how to focus on one project, follow detailed instructions, and get your fingers to maneuver precisely. A wide variety of model options is available; type "toy models" into your favorite search engine to see what I mean.

## Playing Electronic Games

If you're more apt to spend your free time in front of a computer screen than grappling with the pieces of a model airplane, you have lots of computer game options that will challenge your mind - not just your ability to destroy alien warships.

If you're a fan of a particular type of puzzle, including the kinds featured in this book, you're bound to find lots of online versions by using your favorite search engine. Filling in a crossword or a sudoku grid certainly has a different feel on a computer screen than on paper, but you may find that you actually prefer the electronic versions: no erasers required.

## Playing Chess

Chess, the granddaddy of strategy games, forces you to think logically; to be successful, you have to consider the outcomes of each possible move. Playing often enough may also boost your memory power because you start to memorize board layouts (so you don't have to walk through each possible move - you remember the outcomes from having seen a certain board layout before).

If you've never played chess before, don't let yourself be intimidated; the rules aren't complicated, and after a few games you'll have a good handle on basic strategy. You may want to play with someone whose chess experience is roughly equivalent to yours - you're both more likely to enjoy the experience and stick with it.

## Chapter 6: Ten Puzzles to Keep Your Mind in Top Shape

## Strategizing with Scrabble

This game is sort of like one big word scramble puzzle, but with some competition built in. You don't have to be a walking dictionary to enjoy Scrabble; you can use some basic strategies (such as placing words where they accrue double or triple points) to make even short words pay off.

If you're a word lover, Scrabble's a great game to try. And if you play often enough that you start feeling a little bored with it, look up "Scrabble variations" online for suggestions of ways to shake up the rules to make the game even more challenging.

## Conquering Card Games

These days, thanks to Texas Hold'em and the World Poker Tour, it seems like the only people playing cards have money on their minds. But I'm here to remind you that playing cards can be fun even if no cash is involved. Games such as hearts, pinochle, and bridge involve strategy and can be good mental workouts - as well as great excuses to get together with family and friends.

## Working Up a Sweat

As I mention in Chapter 1, keeping your brain healthy requires paying attention to your body as well. Exercise especially of the aerobic kind - seems to be crucial to mental fitness. So don't assume that sitting on your couch doing crosswords and math puzzles is all you need to keep your synapses in tip-top shape. You need to get up and move as well.

I won't even try to guess what type of exercise is best for you - your current health is a big consideration, and having fun is key if you want to stick with it. But if you're in good health, keep in mind that exercising doesn't have to mean being tied to a treadmill. Playing a sport - basketball, volleyball, soccer, even golf - is a great way to challenge your body, improve your coordination, build strategy skills, and socialize.

## Chapter 7

# Ten Ways to Be a Better Puzzler 

## In This Chapter

Spending some quality time
$>$ Setting the mood
$>$ Strengthening your mind and body
Keeping it fresh

$y$ou probably don't plan to go pro with your puzzling (although I won't discourage you if you decide to try - it's worked out pretty well for me!). But anything worth your time is worth doing well. In this chapter, I outline some easy ways to step up your game so your brain gets the maximum benefit (and pleasure) from your puzzling pursuits.

## Practice, Practice, Practice!

Unless the folks at Mensa know you by name, you're probably not going to pick up a sudoku grid for the first time and solve it in a matter of minutes. Believe me: Some of the puzzles in this book are really hard! They're sup-
posed to be - I want you to be challenged. So don't get frustrated if the going is tough initially. With practice, I promise you'll see results.

## Figure Out Your Puzzle Editor's Style

The person responsible for the puzzles in a certain newspaper, book, or Web site is called the puzzle editor, and getting familiar with that person's style can help you solve the puzzles. This is particularly true with crossword puzzles. The difficulty level of a crossword puzzle depends on how the clues are written.

For this reason, when you first start working puzzles, focus on puzzles published in the same source. This book is a great example because, as its puzzle editor, my style dominates throughout. After you work a handful of puzzles in this book, you'll likely start to figure out some of my tricks and quirks. Doing so should make solving each subsequent puzzle slightly easier.

## Mix It Up

Even if your goal is to master a certain type of puzzle, you'll reap benefits from working a variety of puzzles along the way. Any challenging puzzle should help get your synapses in gear and improve your strategic thinking. And stepping away from your particular puzzle of choice once in a while may allow you to gain a new perspective and be even more successful when you return to it.

## Chapter 7: Ten Ways to Be a Better Puzzler 421

## Create the Right Environment

The "right environment" depends on your preferences and, perhaps, on the type of puzzle you're working. For me, these things are essential:
$\checkmark$ A comfortable chair
$\checkmark$ Silence or soft music
$\checkmark$ Good lighting
$\checkmark$ Easy access to resources when necessary (such as when working a crossword)
$\checkmark$ Ample time to complete the puzzle - or at least to make a good effort

## Sever Ties with Your TV

If you want to spend more time puzzling, but time seems elusive, challenge yourself to shut off your TV completely for one week. Yes, I'm serious! I'm not suggesting that you never watch it again, but eliminating it from your schedule for one week may be eye-opening. Even if you think you don't spend a lot of time watching it, you may be shocked at how much time you free up by removing it altogether.

## Listen to Classical Music

Studies suggest that listening to classical music may help to improve brain function. Some people find that classical music is the perfect background while working puzzles. If
you're one of those people, it's possible you'll perform better - and increase the health benefits of your puzzling efforts to boot.

## Hone Your Concentration

The suggestion to hone your concentration is a natural follow-up to creating the right environment for puzzling, turning off your TV, and listening to classical music. If you follow those three suggestions, you'll give yourself a leg up in the concentration department.

## Exercise Your Memory

No running shoes required here: I'm talking about doing simple things every day to actively improve your memory. Following are a few suggestions:

$\checkmark$ Write a shopping list, but don't carry it to the store. Instead, try to memorize the items you've written and recall them as you're shopping.
$\checkmark$ Actively practice remembering names. One way to do so is to notice the names of people who help you at the grocery store, the pharmacy, or a restaurant. Thank each person by name, and then make yourself recall that name several minutes after you leave the establishment.
$\checkmark$ Become a storyteller. Work on recalling details about events in your life and sharing them out loud with family members and friends. Most people can recall events more clearly if they tell someone else about them, so speak up!

## Improve Your Physical Health

It's no surprise that mental health and physical health often go hand in hand. As you care for your body, you're caring for your brain as well, so make sure you pay attention to the basics:

$\checkmark$ Get enough sleep.<br>$\checkmark$ Eat healthy foods.<br>$\checkmark$ Exercise.

## Shake Up Your Routines

I'm not just talking about trying new puzzles here, although that's important too (see the earlier section "Mix It Up"). I'm talking about breaking out of ruts and taking simple steps to wake up your brain cells. Routines are crucial to accomplishing the things you have to do each day, but they can also drain your energy. So whenever possible, shake them up. Here are a few simple suggestions:
$\checkmark$ Use your nondominant hand to eat, drink, brush your teeth, or do other simple tasks.
$\checkmark$ Take a different route to work.
$\checkmark$ Use part of your lunch break to stretch or go for a walk.
$\checkmark$ If you usually turn the TV on at a certain time each day, keep it off until a program comes on that you really want to see. Do something active in the meantime.
$\checkmark$ Prepare a new food, or order something new at your favorite restaurant.
$\checkmark$ Call or e-mail someone you haven't spoken to in a long time.

## New Interactive games For Dummies on the PC and Nintendo DS."



## Do More with Dummies




[^0]:    Puzzle 215

[^1]:    Puzzle 221

[^2]:    Puzzle 241

[^3]:    Puzzle 243

