# Winter 2013/2014 Quarterly

Now available - **Sudoku Atlantis.** In our newest book you'll find a mix of new Sudoku variations to solve as you follow along through a "history" of Atlantis. Spoiler alert: it sinks.

Trividoku puzzles combine trivia knowledge and Sudoku. A standard Trividoku has nine trivia matches – for example, if the topic of the puzzle was "State Capitals", then you might

match "Denver – Colorado", "Sacramento – California" and so on. Each time you make a match you discover another digit to fill into the puzzle. You'll find our Winter Trividokus on pages 2 and 3.

In this quarterly, we've included two new Stars & Stripes puzzle where we go beyond 1-9 to have twelve spaces in each row, column and 3x4 box. You'll need

to fill each of these in with 1 – 9 as well as three  $\bigstar$  s. Stars & Stripes puzzles are on page 10. For Sudoku Island puzzles we start off with a regular 9 x 9 grid then put in four islands, each of which has nine spaces. So in addition to having 1-9 in each row, column and 3x3 box, the islands also have the digits 1-9. You'll find these on page 4.

A Sudoku Earthquake puzzle adds a "fault line" to the Sudoku puzzle. Below the puzzle we'll tell you all the digits that fit into the fault – it's up to you to figure out where they go. We've made a pair of Earthquake puzzles for you on page 5.

In this quarterly we're also trying out some new puzzle variations that will be going into forthcoming puzzle books. It's sort of like having your own Sudoku time machine!

All Sudoku-USA books have more than 100 Sudoku variation puzzles and are available on Amazon.com, directly from Sudoku-USA.com or by special order from your local bookstore.

# www.Sudoku-USA.com

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Sudoku-USA Sudoku

Earthquake





|   |          |   | <u>Nor</u> | <u>thern L</u> | .ights |   |   |   |
|---|----------|---|------------|----------------|--------|---|---|---|
|   |          | 6 | 8          | 2              | 3      |   |   | 4 |
|   | 4        | 2 |            | 7              |        |   |   |   |
|   | <b>5</b> |   | 1          | В              |        |   | С |   |
| 8 | 2        |   |            |                |        |   |   | 5 |
| 6 | 7        |   |            |                |        | 8 | 3 |   |
| D |          |   | E          |                |        | F |   |   |
|   | 6        | 1 | 2          | 5              |        |   |   |   |
|   |          |   | 3          |                | 6      |   |   | G |
| 5 | 9        | H | 7          | 4              | /      | 2 | 6 |   |

Match these northern towns and cities to their countries.

| Place          |                 | Country                    |
|----------------|-----------------|----------------------------|
| A Barrow       | 1 Russia        |                            |
| B Hammerfest   | 2 Scotland      |                            |
| C Inverness    | 3 Sweden        | Match these chilly         |
| D Murmansk     | 4 Greenland     | places to where they're    |
| E Nuuk         | 5 United States | we've matched (A)          |
| F Reykjavík    | 6 Norway        | Barrow (in Alaska) to (5)  |
| G Rovaniemi    | 7 Iceland       | for you and filled it into |
| H Uppsala      | 8 Canada        | the puzzle.                |
| (I) Whitehorse | 9 Finland       |                            |

|   | Snow birds |   |   |   |   |   |   |   |  |  |  |  |  |
|---|------------|---|---|---|---|---|---|---|--|--|--|--|--|
| A |            |   |   | В |   | 8 |   | С |  |  |  |  |  |
|   | 9          |   | 7 |   |   |   |   | 1 |  |  |  |  |  |
|   | 1          | 6 |   | 8 | 3 | 5 | 7 |   |  |  |  |  |  |
|   |            |   |   | 4 | 6 | 7 | 2 | 5 |  |  |  |  |  |
| D |            |   | 9 | E |   |   |   | F |  |  |  |  |  |
|   |            | 2 |   | 3 |   |   |   |   |  |  |  |  |  |
|   |            | 3 | 4 | 2 |   |   |   |   |  |  |  |  |  |
| 9 |            |   | 3 | 5 |   | 6 | 4 |   |  |  |  |  |  |
| G |            |   |   | Н |   |   |   | / |  |  |  |  |  |

Match these warm winter get-aways to their country.

| Place               | Country  |
|---------------------|--|
| A Acapulco          | 1 Indonesia  |
| B Bali              | 2 Mexico   |
| C Bora Bora         | 3 Malaysia   |
| D Capri             | 4 French Polynesia   |
| E Goa               | 5 Spain  |
| F Kuala Lumpur      | 6 Italy  |
| G Majorca           | 7 India  |
| H Nassau            | 8 Greece   |
| I Santorini         | 9 The Bahamas  |
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|   |   |   |   |   |   | 6 | 2 |   |
|---|---|---|---|---|---|---|---|---|
| 5 | 1 |   |   |   | 7 |   | 8 |   |
|   |   |   | 2 | Ð | 3 |   |   |   |
|   | 2 |   | 3 | 8 |   |   | 5 | 6 |
|   |   | 5 |   | 2 |   |   |   | 1 |
|   |   |   |   |   |   |   |   |   |
|   | 5 |   |   |   |   | Ð |   |   |
|   |   |   | 1 | 5 |   | 7 | 3 |   |
| 7 |   | 6 |   |   |   | 5 |   | 8 |

In these puzzles, chess Knights have taken the place of the "9"s.

As with the other digits, no two Knights can appear in the same row, column or 3x3 box, but also none can be placed so they would "take" another knight in chess. That is, two rows and one column away or two columns and one row away.

Knighty Knight



| 5 |   | 2 |   | 7 |   |   |   | S |
|---|---|---|---|---|---|---|---|---|
|   | 8 |   |   |   |   |   |   |   |
| 1 |   | 7 |   | 3 |   |   |   | 5 |
| 7 |   |   | 8 |   |   |   | Ð |   |
|   |   |   | 2 | Ð |   | 7 |   | 6 |
|   |   |   | 7 |   | 6 |   | 8 |   |
|   |   |   |   |   | 1 |   | 3 |   |
| 8 |   | 1 |   |   |   |   |   |   |
| 6 | 4 | S | 3 | 5 |   |   |   | 8 |

Islands Apart

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

In these two puzzles, each set of nine island spaces

contains the digits 1-9 in each set of colored spaces. They've been split apart into pieces by an Earthquake which has left a fault in the puzzle. The digits that appear along the fault line ( ) appear below the puzzle.



Epheremal Entity

E  $\diamond$ N A Μ  $\diamond$ S W R L E  $\diamond$ W Μ L R  $\diamond$ Ν A 0  $\diamond$ R S L Α  $\diamond$ Μ S  $\diamond$ 0 R Ν

In the puzzle to the right, letters replace digits. Only six letters are used to spell the puzzle answer, taken from the following nine letters:

NEW MOLARS

|   |   |   | Bla | ackja | ck! |    |    |   | In this game of   |
|---|---|---|-----|-------|-----|----|----|---|---|
|   | 5 | 7 |     | 6     | 4   |    | 8  |   | Blackjack<br>you'll need to   |
|   | 9 | 1 | 7   |       |     |    |    | 2 | fill in each of   |
| 8 |   |   |     |       | 1   |    |    |   | digits that add up to 21.   |
|   |   |   | AJ  | AJ    |     | AJ | AJ |   | However, a "1" is an ace so<br>it can be treated as either 1                                    |
|   |   |   | AJ  | AJ    | 8   | AJ | AJ | 4 | or 11.  |
|   |   |   | 4   | 2     |     | 7  | 6  | 8 | $\begin{bmatrix} 1 & 3 & 3 & 7 \\ \hline 1 & 3 & 3 & 7 \\ \hline 9 & 4 \\ \hline \end{bmatrix}$ |
|   |   |   | 5   |       |     |    |    | 3 | 8     9     8     3     7     1   |
| 4 | 6 |   |     | AJ    | AJ  |    | 5  |   |   |
|   |   | 8 |     | AJ    | AJ  |    | 4  | 6 | $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  |

### Double Down



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

In this game of croquet, each of the nine wickets gets a unique digit, 1-9.

The lines between any two consecutive digits can never cross as shown in the sample to the left.

#### Croquet

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

|                     | $\langle   /$ |   | 4                   |               | 5 |     | 2                   |               |
|---------------------|---------------|---|---------------------|---------------|---|-----|---------------------|---------------|
| $\langle   \rangle$ |               | / |                     |               |   |     |                     |               |
| 8                   | /             | 7 | 2                   | 9             | 3 | 5   | 1                   |               |
| 3                   |               |   |                     | $\langle   /$ | 8 |     |                     |               |
|                     |               |   | $\langle   \rangle$ |               |   |     |                     |               |
|                     |               |   |                     | / \           |   | 4   |                     |               |
| 1                   | 7             | 5 | 8                   | 6             | 2 |     | $\langle \cdot   /$ | 9             |
|                     | 8             | 3 | 1                   | 4             |   | /1/ |                     | $/   \rangle$ |
|                     | 6             |   |                     | 5             | 7 | 2   | /   \               |               |

In these puzzles, each rabbit hole is surrounded by four spaces. These spaces will contain the two digits above and two digits below the number falling into the hole. For example:



Hole lot of Trouble

|                     | 3              | 2                   | 4             |              | 6                         |                     |                         |   |
|---------------------|----------------|---------------------|---------------|--------------|---------------------------|---------------------|-------------------------|---|
|                     |                | $\backslash   /$    |               |              |                           | $\backslash   /$    |                         |   |
| 1                   | /              |                     | $\mathbb{N}/$ |              | /                         |                     | $\langle \cdot \rangle$ | 6 |
|                     |                | $\langle   \rangle$ |               | $\mathbb{N}$ | 8                         | /                   |                         | 4 |
| 6                   |                | 5                   | /             |              | $\langle \cdot   \rangle$ | 8                   |                         |   |
| 8                   | 4              |                     |               | /            |                           | 6                   | 1                       |   |
|                     | $\langle   /$  | 1                   | 3             |              | 4                         |                     | $\mathbf{X}$            | 8 |
| $\langle   \rangle$ |                | /                   |               |              |                           | $\langle   \rangle$ |                         |   |
| 3                   | $/  \setminus$ |                     | 9             |              |                           |                     |                         | 1 |

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

9

Fill in these puzzles so that each row, column and 3 x 4 box contains the digits 1-9 and three stars ( $\bigstar$ )

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

#### Northern Lights

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

## Knighty Knight

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

### Black Jack!

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

#### Down the Rabbit Hole

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

#### Answers Snow birds

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

### Islands Apart

|   |   |   |   |   |   |   | _   |
|---|---|---|---|---|---|---|---|
| 4 | 9   | 1   | 3   | 6   | 7   | 2   | 5   |
| 6 | 2   | 5   | 7   | 4   | 8   | 9   | 1   |
| 5 | 7   | 8   | 9   | 2   | 4   | 6   | 3   |
| 2 | 6   | 3   | 4   | 8   | 9   | 1   | 7   |
| 7 | 3   | 2   | 1   | 5   | 6   | 8   | 4   |
| 1 | 8   | 7   | 6   | 9   | 5   | 3   | 2   |
| 8 | 1   | 9   | 5   | 3   | 2   | 4   | 6   |
| 9 | 5   | 4   | 2   | 1   | 3   | 7   | 8   |
| 3 | 4   | 6   | 8   | 7   | 1   | 5   | 9   |
|   | 4<br>6<br>5<br>2<br>7<br>1<br>8<br>9<br>3 | <ul> <li>4</li> <li>9</li> <li>6</li> <li>2</li> <li>7</li> <li>2</li> <li>6</li> <li>7</li> <li>3</li> <li>1</li> <li>8</li> <li>8</li> <li>1</li> <li>9</li> <li>5</li> <li>3</li> <li>4</li> </ul> | 4       9       1         6       2       5         5       7       8         2       6       3         7       3       2         1       8       7         8       1       9         9       5       4         3       4       6 | 4       9       1       3         6       2       5       7         5       7       8       9         2       6       3       4         7       3       2       1         1       8       7       6         8       1       9       5         9       5       4       2         3       4       6       8 | 4       9       1       3       6         6       2       5       7       4         5       7       8       9       2         2       6       3       4       8         7       3       2       1       5         1       8       7       6       9         8       1       9       5       3         9       5       4       2       1         3       4       6       8       7 | 4       9       1       3       6       7         6       2       5       7       4       8         5       7       8       9       2       4         2       6       3       4       8       9         7       3       2       1       5       6         1       8       7       6       9       5         8       1       9       5       3       2         9       5       4       2       1       3         3       4       6       8       7       1 | 4       9       1       3       6       7       2         6       2       5       7       4       8       9         5       7       8       9       2       4       6         2       6       3       4       8       9       1         7       3       2       1       5       6       8         1       8       7       6       9       5       3         8       1       9       5       3       2       4         9       5       4       2       1       3       7         3       4       6       8       7       1       3 |

#### **Knight Fever**

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

### Ephemeral Entity

|   |   |   |   |   |   |   | _ |   |
|---|---|---|---|---|---|---|---|---|
| 0 | М | Е | L | S | Ν | R | W | А |
| L | S | R | А | 0 | W | Е | М | Ν |
| W | Α | Ν | М | Е | R | 0 | S | L |
| Е | W | М | 0 | Ν | А | L | R | S |
| S | Ν | L | R | W | Е | М | А | 0 |
| А | R | 0 | S | L | Μ | Ν | Е | W |
| Ν | L | W | Е | R | S | А | 0 | М |
| R | 0 | A | W | М | L | S | Ν | Е |
| М | Е | S | Ν | A | 0 | W | L | R |

### Double Down

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

### Croquet

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

## Hole lot of trouble

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

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### Answers

| 6   | 7   | 9   | 8   | 2   | *   | *   | 5   | *   | 4   | 1   | 3   |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *   | 3   | 4   | 1   | 6   | *   | 9   | 8   | 2   | *   | 5   | 7   |
| 2   | 5   | *   | *   | 1   | 7   | 4   | 3   | 6   | 9   | *   | 8   |
| 5   | 4   | *   | 6   | 3   | 8   | 1   | 9   | 7   | *   | *   | 2   |
| 3   | 9   | *   | 7   | *   | *   | 2   | 6   | 1   | 8   | 4   | 5   |
| 8   | 2   | 1   | *   | *   | 5   | 7   | 4   | *   | 3   | 6   | 9   |
| *   | 8   | 2   | 9   | 5   | 1   | *   | 7   | 4   | 6   | 3   | *   |
| *   | 6   | 3   | *   | 9   | 4   | 8   | *   | 5   | 7   | 2   | 1   |
| 7   | 1   | 5   | 4   | *   | 3   | 6   | 2   | 9   | *   | 8   | *   |
| 9   | *   | 6   | 5   | 8   | 2   | *   | *   | 3   | 1   | 7   | 4   |
| 1   | *   | 7   | 3   | 4   | 9   | 5   | *   | 8   | 2   | *   | 6   |
| 4   | *   | 8   | 2   | 7   | 6   | 3   | 1   | *   | 5   | 9   | *   |
|   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |
| 6   | *   | 1   | 5   | 4   | *   | 3   | 9   | 8   | *   | 7   | 2   |
| 6<br>7  | *<br>2  | 1<br>3  | 5<br>9  | 4   | *   | 3<br>★  | 9   | 8   | ★<br>4  | 7   | 2<br>5  |
| 6<br>7<br>4   | *<br>2<br>*   | 1<br>3<br>8   | 5<br>9<br>★   | 4<br>1<br>5   | *<br>8<br>2   | 3<br>★<br>7   | 9<br>★<br>6   | 8<br>★<br>3   | ★<br>4<br>9   | 7<br>6<br>1   | 2<br>5<br>★   |
| 6<br>7<br>4<br>2                                    | ★<br>2<br>★<br>4  | 1<br>3<br>8<br>★                                    | 5<br>9<br>★<br>3                                    | 4<br>1<br>5<br>7                                    | ★<br>8<br>2<br>9  | 3<br>★<br>7<br>8                                    | 9<br>★<br>6<br>5                                    | 8<br>★<br>3<br>6                                    | ★<br>4<br>9<br>★  | 7<br>6<br>1<br>★  | 2<br>5<br>★<br>1                                    |
| 6<br>7<br>4<br>2<br>9                               | ★<br>2<br>★<br>4<br>★   | 1<br>3<br>8<br>*<br>7                               | 5<br>9<br>★<br>3<br>★                               | 4<br>1<br>5<br>7<br>2                               | <ul> <li>★</li> <li>8</li> <li>2</li> <li>9</li> <li>1</li> </ul>   | 3<br>★<br>7<br>8<br>6                               | 9<br>★<br>6<br>5<br>3                               | 8<br>★<br>3<br>6<br>4                               | ★<br>4<br>9<br>★<br>5   | 7<br>6<br>1<br>*<br>8   | 2<br>5<br>★<br>1<br>★                               |
| 6<br>7<br>4<br>2<br>9<br>8                          | ★<br>2<br>★<br>4<br>★<br>6  | 1<br>3<br>8<br>★<br>7<br>5                          | 5<br>9<br>*<br>3<br>*<br>1                          | 4<br>1<br>5<br>7<br>2<br>★                          | <ul> <li>★</li> <li>8</li> <li>2</li> <li>9</li> <li>1</li> <li>4</li> </ul>  | 3<br>★<br>7<br>8<br>6<br>★                          | 9<br>★<br>6<br>5<br>3<br>★                          | 8<br>★<br>3<br>6<br>4<br>7                          | <ul> <li>★</li> <li>4</li> <li>9</li> <li>★</li> <li>5</li> <li>2</li> </ul>  | 7<br>6<br>1<br>★<br>8<br>3                                    | 2<br>5<br>*<br>1<br>*<br>9                          |
| 6<br>7<br>4<br>2<br>9<br>8<br>5                     | <ul> <li>★</li> <li>2</li> <li>★</li> <li>4</li> <li>★</li> <li>6</li> <li>8</li> </ul>   | 1<br>3<br>8<br>★<br>7<br>5<br>2                     | 5<br>9<br>★<br>3<br>★<br>1<br>4                     | 4<br>1<br>5<br>7<br>2<br>★<br>★                     | <ul> <li>★</li> <li>8</li> <li>2</li> <li>9</li> <li>1</li> <li>4</li> <li>6</li> </ul>   | 3<br>★<br>7<br>8<br>6<br>★<br>1                     | 9<br>★<br>6<br>5<br>3<br>★<br>7                     | 8<br>★<br>3<br>6<br>4<br>7<br>9                     | <ul> <li>★</li> <li>4</li> <li>9</li> <li>★</li> <li>5</li> <li>2</li> <li>★</li> </ul>   | 7<br>6<br>1<br>*<br>8<br>3<br>*                               | 2<br>5<br>★<br>1<br>★<br>9<br>3                     |
| 6<br>7<br>4<br>2<br>9<br>8<br>5<br>★                | <ul> <li>★</li> <li>2</li> <li>★</li> <li>4</li> <li>★</li> <li>6</li> <li>8</li> <li>1</li> </ul>                                  | 1<br>3<br>8<br>★<br>7<br>5<br>2<br>6                | 5<br>9<br>★<br>3<br>★<br>1<br>4<br>7                | 4<br>1<br>5<br>7<br>2<br>★<br>★<br>9                | <ul> <li>★</li> <li>8</li> <li>2</li> <li>9</li> <li>1</li> <li>4</li> <li>6</li> <li>3</li> </ul>                                  | 3<br>★<br>7<br>8<br>6<br>★<br>1<br>2                | 9<br>★<br>6<br>5<br>3<br>★<br>7<br>★                | 8<br>★<br>3<br>6<br>4<br>7<br>9<br>★                | <ul> <li>★</li> <li>4</li> <li>9</li> <li>★</li> <li>5</li> <li>2</li> <li>★</li> <li>8</li> </ul>                                  | 7<br>6<br>1<br>*<br>8<br>3<br>*<br>5                          | 2<br>5<br>★<br>1<br>★<br>9<br>3<br>4                |
| 6<br>7<br>4<br>2<br>9<br>8<br>5<br>★<br>3           | <ul> <li>★</li> <li>2</li> <li>★</li> <li>4</li> <li>★</li> <li>6</li> <li>8</li> <li>1</li> <li>9</li> </ul>                       | 1<br>3<br>8<br>★<br>7<br>5<br>2<br>6<br>★           | 5<br>9<br>★<br>3<br>★<br>1<br>4<br>7<br>★           | 4<br>1<br>5<br>7<br>2<br>★<br>★<br>9<br>8           | <ul> <li>★</li> <li>8</li> <li>2</li> <li>9</li> <li>1</li> <li>4</li> <li>6</li> <li>3</li> <li>★</li> </ul>                       | 3<br>★<br>7<br>8<br>6<br>★<br>1<br>2<br>5           | 9<br>★<br>6<br>5<br>3<br>★<br>7<br>★<br>4           | 8<br>★<br>3<br>6<br>4<br>7<br>9<br>★<br>1           | <ul> <li>★</li> <li>4</li> <li>9</li> <li>★</li> <li>5</li> <li>2</li> <li>★</li> <li>8</li> <li>7</li> </ul>                       | 7<br>6<br>1<br>★<br>8<br>3<br>★<br>5<br>2                     | 2<br>5<br>★<br>1<br>★<br>9<br>3<br>4<br>6           |
| 6<br>7<br>4<br>2<br>9<br>8<br>5<br>★<br>3<br>★      | <ul> <li>★</li> <li>2</li> <li>★</li> <li>4</li> <li>★</li> <li>6</li> <li>8</li> <li>1</li> <li>9</li> <li>5</li> </ul>            | 1<br>3<br>8<br>★<br>7<br>5<br>2<br>6<br>★<br>9      | 5<br>9<br>★<br>3<br>★<br>1<br>4<br>7<br>★<br>8      | 4<br>1<br>5<br>7<br>2<br>★<br>•<br>9<br>8<br>6      | <ul> <li>★</li> <li>8</li> <li>2</li> <li>9</li> <li>1</li> <li>4</li> <li>6</li> <li>3</li> <li>★</li> <li>7</li> </ul>            | 3<br>★<br>7<br>8<br>6<br>★<br>1<br>2<br>5<br>4      | 9<br>★<br>6<br>5<br>3<br>★<br>7<br>★<br>4<br>1      | 8<br>★<br>3<br>6<br>4<br>7<br>9<br>★<br>1<br>2      | <ul> <li>★</li> <li>4</li> <li>9</li> <li>★</li> <li>5</li> <li>2</li> <li>★</li> <li>8</li> <li>7</li> <li>3</li> </ul>            | 7<br>6<br>1<br>★<br>8<br>3<br>★<br>5<br>2<br>★                | 2<br>5<br>★<br>1<br>★<br>9<br>3<br>4<br>6<br>★      |
| 6<br>7<br>4<br>2<br>9<br>8<br>5<br>★<br>3<br>★<br>1 | <ul> <li>★</li> <li>2</li> <li>★</li> <li>4</li> <li>★</li> <li>6</li> <li>8</li> <li>1</li> <li>9</li> <li>5</li> <li>3</li> </ul> | 1<br>3<br>8<br>★<br>7<br>5<br>2<br>6<br>★<br>9<br>4 | 5<br>9<br>★<br>3<br>★<br>1<br>4<br>7<br>★<br>8<br>2 | 4<br>1<br>5<br>7<br>2<br>★<br>*<br>9<br>8<br>6<br>★ | <ul> <li>★</li> <li>8</li> <li>2</li> <li>9</li> <li>1</li> <li>4</li> <li>6</li> <li>3</li> <li>★</li> <li>7</li> <li>★</li> </ul> | 3<br>★<br>7<br>8<br>6<br>★<br>1<br>2<br>5<br>4<br>★ | 9<br>★<br>6<br>5<br>3<br>★<br>7<br>★<br>4<br>1<br>8 | 8<br>★<br>3<br>6<br>4<br>7<br>9<br>★<br>1<br>2<br>5 | <ul> <li>★</li> <li>4</li> <li>9</li> <li>★</li> <li>5</li> <li>2</li> <li>★</li> <li>8</li> <li>7</li> <li>3</li> <li>6</li> </ul> | 7<br>6<br>1<br>*<br>8<br>3<br>*<br>5<br>2<br>*<br>2<br>*<br>9 | 2<br>5<br>★<br>1<br>★<br>9<br>3<br>4<br>6<br>★<br>7 |