

# Sudoku #1

Tough Sudoku by KrazyDad, Volume 10, Book 19

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

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"Nature is an infinite sphere of which the center is everywhere and the circumference nowhere."  
-- Blaise Pascal

scratch area

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# Sudoku #2

Tough Sudoku by KrazyDad, Volume 10, Book 19

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|---|---|---|---|---|---|---|---|---|
| 5 |   |   |   |   |   |   |   | 8 |
|   | 1 |   |   |   | 6 |   |   |   |
|   | 6 |   | 3 | 8 |   |   | 2 |   |
|   |   | 9 | 8 | 6 |   |   |   | 1 |
| 6 |   |   |   |   |   |   |   | 5 |
| 1 |   |   |   | 5 | 9 | 2 |   |   |
|   | 3 |   |   | 2 | 4 |   | 8 |   |
|   |   |   | 1 |   |   |   | 3 |   |
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Do for friends only what is honorable and without even waiting to be asked.  
-- Cicero

scratch area

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# Sudoku #3

Tough Sudoku by KrazyDad, Volume 10, Book 19

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

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If she was any dumber, we'd have to water her.

scratch area

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# Sudoku #4

Tough Sudoku by KrazyDad, Volume 10, Book 19

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

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Famous last words:

scratch area

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Sudoku #5

Tough Sudoku by KrazyDad, Volume 10, Book 19

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

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Truth is the answer.

scratch area

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Sudoku #6

Tough Sudoku by KrazyDad, Volume 10, Book 19

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

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scratch area

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"Money won't buy happiness, but it will pay the salaries of a large research staff to study the problem."  
-- Bill Vaughan

# Sudoku #7

Tough Sudoku by KrazyDad, Volume 10, Book 19

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

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scratch area

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# Sudoku #8

Tough Sudoku by KrazyDad, Volume 10, Book 19

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

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scratch area

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KrazyDad runs on electricity and caffeine. Want to buy me a cup of coffee?  
You can donate at <http://krazydad.com>  
Or by mail: KrazyDad, P.O. Box 358, San Mateo, CA 91353 USA  
Thank you for helping out!

## Hints

Tough Sudoku by KrazyDad, Volume 10, Book 19

## Answers

Tough Sudoku by KrazyDad, Volume 10, Book 19

Sudoku #1

|    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|
| 55 | 8  | 46 |    | 29 | 26 | 47 | 1  |    |
| 48 | 9  |    | 49 | 13 |    | 20 |    | 38 |
| 32 | 50 | 51 | 52 |    |    | 53 |    |    |
|    | 7  | 14 | 30 | 31 | 27 | 28 |    | 12 |
|    | 40 |    | 35 | 25 | 36 |    | 42 |    |
| 34 |    | 39 | 21 | 22 | 41 | 33 | 43 |    |
|    |    | 2  |    |    | 17 | 3  | 37 | 45 |
| 5  |    | 15 |    | 16 | 19 |    | 4  | 6  |
|    | 44 | 54 | 23 | 24 |    | 10 | 18 | 11 |

Sudoku #2

|    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|
|    | 45 | 9  | 23 | 50 | 36 | 6  | 37 |    |
| 40 |    | 39 | 18 | 47 |    | 13 | 31 | 48 |
| 44 |    | 49 |    |    | 32 | 24 |    | 41 |
| 12 | 1  |    |    |    | 10 | 25 | 20 |    |
|    | 42 | 52 | 53 | 14 | 15 | 7  | 8  |    |
|    | 51 | 46 | 54 |    |    | 2  |    | 11 |
| 33 |    | 26 | 5  |    |    | 29 |    | 22 |
| 55 | 43 | 4  |    | 27 | 17 | 30 |    | 3  |
|    | 38 | 34 | 28 | 16 | 19 | 35 | 21 |    |

INSTRUCTIONS: These hint grids reveal the order in which the squares were solved by my computer. It's not necessarily the same order you would use, but it's probably close. Follow the numbered squares in order 1,2,3... until you find a square you haven't solved yet. This square (or the one or two immediately after it) is a good candidate to solve next.

Sudoku #3

|    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|
| 54 |    |    | 23 | 41 | 42 |    | 8  | 29 |
| 55 | 43 | 22 |    | 30 | 44 | 45 | 1  | 31 |
| 32 |    | 13 | 24 |    |    | 25 | 9  |    |
| 18 | 16 | 26 | 27 | 3  |    |    | 2  |    |
|    | 4  | 14 |    | 17 |    | 15 | 10 |    |
|    | 11 |    | 46 | 47 | 48 | 7  |    | 12 |
|    | 49 | 50 |    |    | 19 | 33 |    | 51 |
| 20 | 5  | 34 | 35 | 21 |    | 28 | 6  | 36 |
| 52 | 53 |    | 37 | 38 | 39 |    |    | 40 |

Sudoku #4

|    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|
| 21 |    | 30 |    | 1  | 39 |    | 40 | 31 |
|    | 26 |    | 18 | 19 | 32 |    | 9  | 27 |
|    | 25 |    |    |    | 10 | 24 |    | 2  |
| 49 | 33 | 8  | 41 |    |    | 42 | 34 | 23 |
| 50 |    | 51 | 43 | 20 | 35 | 44 |    | 45 |
| 52 | 28 | 46 |    |    | 29 | 36 | 3  | 47 |
| 53 |    | 48 | 4  |    |    |    |    | 5  |
| 11 | 12 |    | 16 | 14 | 15 |    | 6  |    |
| 7  | 22 |    | 17 | 13 |    | 37 |    | 38 |

Sudoku #5

|    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|
| 41 | 9  | 42 |    |    | 2  |    |    | 29 |
| 31 |    | 43 | 5  | 17 | 10 | 19 |    | 32 |
|    | 14 | 30 |    | 18 | 23 | 33 | 44 |    |
|    |    | 1  | 34 | 8  |    |    | 35 |    |
| 45 | 24 | 46 | 11 | 20 | 15 | 26 | 21 | 36 |
|    |    |    | 13 |    |    | 12 | 47 | 48 |
|    | 25 | 49 | 3  | 7  |    | 39 | 28 |    |
| 37 |    | 4  | 53 | 22 | 16 | 50 |    | 6  |
| 51 |    |    | 52 |    |    | 40 | 27 | 38 |

Sudoku #6

|    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|
| 26 |    | 55 | 31 |    | 41 | 32 | 28 | 42 |
| 27 | 43 |    |    | 22 | 44 | 45 | 33 | 46 |
| 56 |    | 47 |    | 23 | 48 | 34 | 35 |    |
|    | 9  |    |    | 49 | 50 |    | 4  | 5  |
| 3  | 10 |    | 16 | 11 | 12 |    | 6  | 7  |
| 1  | 2  |    | 13 | 14 |    |    | 8  |    |
|    | 17 | 29 | 51 | 36 |    | 20 |    | 37 |
| 57 | 52 | 53 | 21 | 19 |    |    | 30 | 38 |
| 54 | 18 | 39 | 40 |    | 15 | 24 |    | 25 |

Sudoku #7

|    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|
|    |    | 35 |    | 29 | 8  |    | 1  | 30 |
| 43 |    |    | 20 | 27 | 36 | 37 |    |    |
| 3  | 44 | 21 | 38 |    | 39 |    | 15 | 40 |
| 19 | 16 | 26 |    | 2  |    |    |    | 24 |
| 51 | 45 | 25 |    | 46 |    | 47 | 17 | 22 |
| 48 |    |    |    | 49 |    | 50 | 5  | 41 |
| 23 | 42 |    | 10 |    | 31 | 11 | 13 | 7  |
|    |    | 32 | 33 | 28 | 34 |    |    | 6  |
| 18 | 14 |    | 9  | 4  |    | 12 |    |    |

Sudoku #8

|    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|
| 10 | 11 |    |    | 7  |    | 14 | 5  | 12 |
| 13 | 48 |    | 1  |    |    | 49 | 36 | 30 |
|    |    | 50 | 2  | 24 | 19 | 51 | 31 | 37 |
|    |    | 25 | 26 | 27 | 20 | 8  |    | 6  |
| 38 | 34 |    |    | 21 |    |    | 22 | 16 |
| 17 | 28 | 23 | 3  | 18 | 15 |    |    |    |
| 4  | 32 | 52 | 29 | 53 | 44 | 35 |    |    |
| 40 | 45 | 9  |    |    | 41 |    | 43 | 46 |
| 39 | 33 | 54 |    | 55 |    |    | 42 | 47 |

Sudoku #1

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

Sudoku #3

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

Sudoku #5

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

Sudoku #7

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

Sudoku #2

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

Sudoku #4

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

Sudoku #6

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

Sudoku #8

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