

**1 Classic Sudoku [17 points]**

Place a digit from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each digit exactly once.

1A →

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

1B →

**2 Classic Sudoku [22 points]**

Place a digit from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each digit exactly once.

2A →

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

2B →

**3 Classic Sudoku [35 points]**

Place a digit from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each digit exactly once.

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

3A →

3B →

**4 Classic Sudoku [38 points]**

Place a digit from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each digit exactly once.

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

4A →

4B →

**5 Classic Sudoku [46 points]**

Place a digit from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each digit exactly once.

5A →

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

5B →

**6 Even Sudoku [29 points]**

Apply classic sudoku rules. Digits placed in shaded cells must be even.

6A →

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

6B →



**7 No Touch Sudoku [32 points]**

Apply classic sudoku rules. Digits placed in cells that meet diagonally at a point must be different.

7A →

7B →

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

**8 Thermo Sudoku [44 points]**

Apply classic sudoku rules. Starting at the "bulb", digits placed along each marked thermometer must form a strictly increasing sequence.

8A →

8B →

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



**9 Arrow Sudoku [64 points]**

Apply classic sudoku rules. Digit placed in a cell with a circle must be the sum of the digits placed in cells the adjoining arrow passes through. Digits may repeat on arrows.

9A →

9B →

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
|   |   | 9 |   | 8 |   | 6 |   |
|   |   |   |   | ↑ |   |   |   |
|   | 1 |   | ○ | ○ | ○ |   | 2 |
|   | ← |   | ○ |   | ○ |   | → |
| 2 |   |   | ○ |   | ○ |   | 5 |
|   |   |   |   |   |   |   |   |
|   |   |   |   | 5 |   |   |   |
|   | 7 |   |   | ○ |   |   | 8 |

**10 Diagonal Sudoku [56 points]**

Apply classic sudoku rules. Each marked diagonal must also contain each digit from 1-9 exactly once.

10A →

10B →

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



**11 Extra Regions Sudoku**

[92 points]

Apply classic sudoku rules. Each of the shaded regions must also contain each digit from 1-9 exactly once.

11A →

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

11B →

**12 Hit the Target Sudoku**

[49 points]

Apply classic sudoku rules. There must be a path from 1 in the target via the digits 2 to 8 so that 2 must be placed in a cell in the direction of the arrow. Consider the cell with 2 a new arrow cell but with the arrow turned 90 degrees to the right. Now 3 must be in a cell in that direction. Consider the cell with 3 a new arrow but with the arrow turned another 90 degrees to the right. Now 4 must be in a cell in that direction ... and so on until you hit the target.

12A →

12B →

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

**13 One Knight Step Sudoku****[76 points]**

Apply classic sudoku rules. Some given digits are shaded. All such digits have **exactly one** digit of the same value one knight step away from its own position.

13A →

13B →

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