

**1 Classic Sudoku****[18 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 →

1B →

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

2 Classic Sudoku**[20 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 →

2B →

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

3 Classic Sudoku

[26 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.

3A →

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

3B →

4 Classic Sudoku

[27 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.

4A →

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

4B →

5 Classic Sudoku

[27 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 →

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

5B →

6 Classic Sudoku

[30 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.

6A →

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

6B →

**7 Diagonal Sudoku****[38 points]**

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

7A →

7B →

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

8 Multi Diagonal Sudoku**[52 points]**

Apply classic sudoku rules.
Every marked diagonal line
contains each digit no more
than once.

8A →

8B →

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

9 Thermo Sudoku

[27 points]

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

9A →

9B →

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

10 Stretched Thermo Sudoku [63 points]

Apply classic sudoku rules. Starting at the "bulb", digits placed along each marked thermometer cannot decrease (they can increase or stay equal).

10A →

10B →

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

11 Non-Consecutive Sudoku

[49 points]

Apply classic sudoku rules.
Digits placed in adjacent cells must not be consecutive.

11A →

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

11B →

12 Diagonally Non-Consecutive Sudoku

[84 points]

Apply classic sudoku rules.
Digits placed in diagonally neighbouring cells must not be consecutive.

12A →

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

12B →



13 Killer Sudoku

[75 points]

Apply classic sudoku rules. The digits placed in each marked cage must sum to the total given in its top-left. Digits must not repeat in cages.

13A →

| | | | | | | | | |
|----|----|----|----|----|----|----|----|----|
| 23 | | 21 | | | 13 | 20 | | 5 |
| | 18 | 22 | | | | 28 | | |
| | | | | 17 | | | | 24 |
| 10 | | | | | 14 | | | |
| | 15 | | 11 | | | 9 | | |
| | 5 | | | | 18 | | | 15 |
| 21 | | 24 | | | | 19 | | |
| | | | 20 | | | | 12 | |
| 7 | | | | | 14 | | | |

13B →

14 Number 5 is Alive Sudoku

[64 points]

Apply classic sudoku rules. Digits must not repeat in cages and their sums end with 5 (the sums can be 5, 15, 25, 35 or 45).

14A →

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

14B →