

Sudoku

To solve a sudoku puzzle, fill in the blanks with the digits 1 through 9 in such a way that each digit appears exactly once in each row, column, and 3-by-3 block.

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

sample puzzle

sudoku

answer

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