

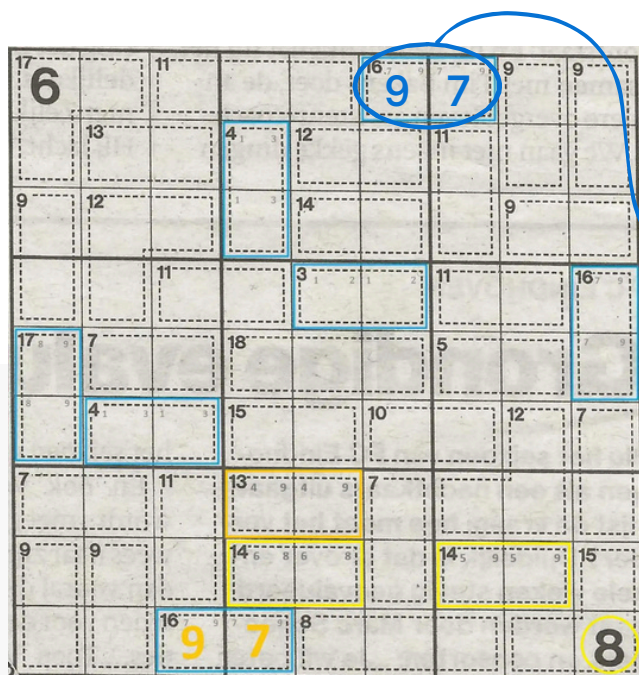


Basic rules

Each number must be

1. unique in a **block**;
2. unique in a **row** (horizontal);
3. unique in a **column** (vertical);
4. unique in a **combination**.

The numbers inside a combination must **add up to the sum** of that combination.



Basic solving strategies

Start each puzzle by:

1. Pencil in all 2 field combinations: **3 and 4, 16 and 17**
2. Pencil in all 3 field combinations: **23 and 24**
3. Check for easy to match **row, column** or **block** combinations

Advanced solving strategies

Check if any of the **blocks, rows** or **columns** have only **1 combination** spanning across to a different block.

Count all sums. Subtract 45.

The remainder is the number in the field for the other block.

E.g.: $9 + 9 + 9 + 11 + 16 = 54$. $54 - 45 = 9$

Combinations

To solve Killer Sudoku puzzles, you will need to know all possible **combinations** of numbers to make a **sum**.

Use the table to the right as a reference!

A few sums only have **1 possible combination**. These are:

| | | | | | |
|----------|-------|-----------|-------|-----------|-----------|
| 3 | 1 + 2 | 16 | 7 + 9 | 23 | 6 + 8 + 9 |
| 4 | 1 + 3 | 17 | 8 + 9 | 24 | 7 + 8 + 9 |

| | | | | |
|-----------|-------|-------|-------|-------|
| 5 | 1 + 4 | 2 + 3 | | |
| 6 | 1 + 5 | 2 + 4 | | |
| 7 | 1 + 6 | 2 + 5 | 3 + 4 | |
| 8 | 1 + 7 | 2 + 6 | 3 + 5 | |
| 9 | 1 + 8 | 2 + 7 | 3 + 6 | 4 + 5 |
| 10 | 1 + 9 | 2 + 8 | 3 + 7 | 4 + 6 |
| 11 | 2 + 9 | 3 + 8 | 4 + 7 | 5 + 6 |
| 12 | 3 + 9 | 4 + 8 | 5 + 7 | |
| 13 | 4 + 9 | 5 + 8 | 6 + 7 | |
| 14 | 5 + 9 | 6 + 8 | | |
| 15 | 6 + 9 | 7 + 8 | | |