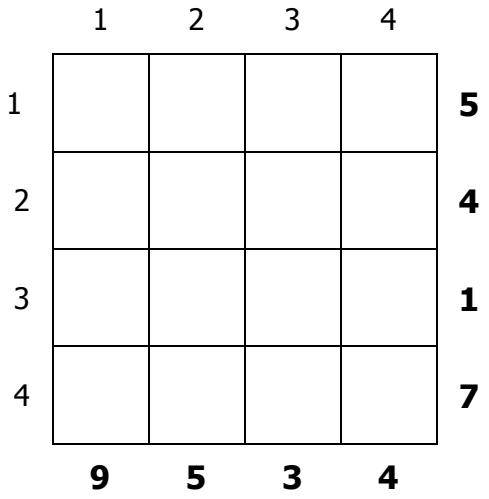
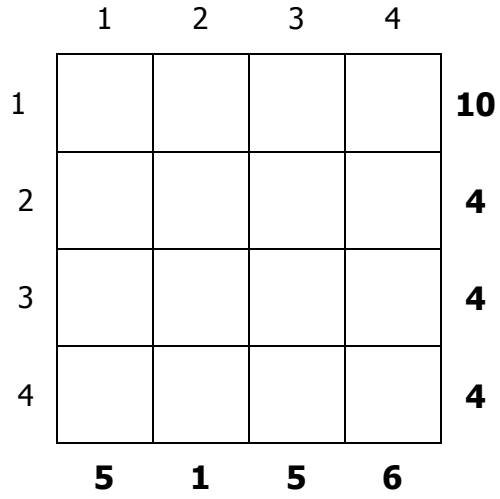
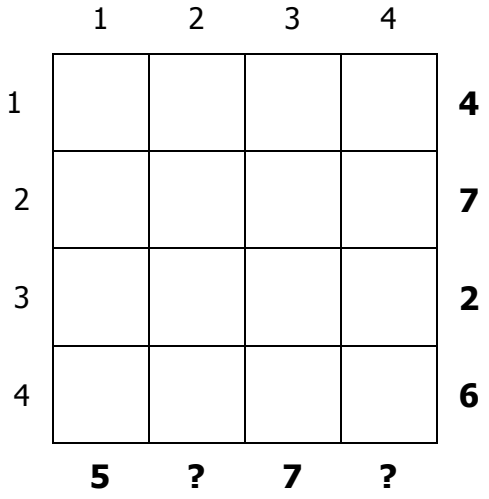
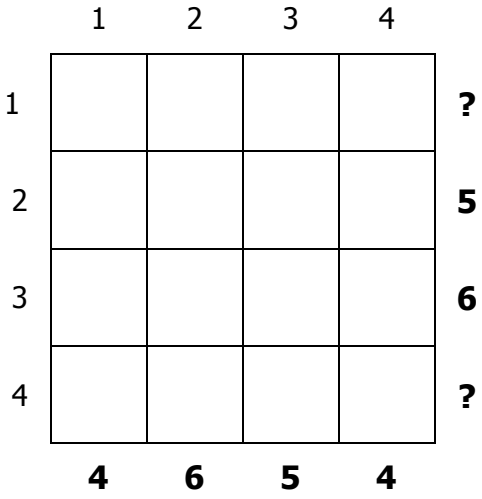
# Kakurasu I

The clues on the **right** and across the **bottom** are the totals for the respective rows and columns.
The numbers across the top and on the left are the values for each of the squares. (The first square in a row or column is worth 1, the second 2, the third 3, and so on.)
Marking a square with a ✓ means that square's value gets added to both the row's total and the column's total.
Find the ✓ squares such that all of the totals match the clues. There is only one possible solution and no guessing is required.
It's helpful to mark with an X any box that cannot be used.




Find many more, from easy to harder, at [Brainbashers](Brainbashers) .

Kakurasu II

Useful sums: 1+2+3 =6; 1+2+3+4=10; 1+2+3+4+5=15; 1+2+3+4+5+6=16.

| | 1 | 2 | 3 | 4 | 5 | |
|---|---|---|---|---|---|---|
| 1 | | | | | | **3** |
| 2 | | | | | | **15** |
| 3 | | | | | | **8** |
| 4 | | | | | | **7** |
| 5 | | | | | | **4** |
| | **6** | **10** | **2** | **7** | **9** | |

| | 1 | 2 | 3 | 4 | 5 | |
|---|---|---|---|---|---|---|
| 1 | | | | | | **7** |
| 2 | | | | | | **7** |
| 3 | | | | | | **15** |
| 4 | | | | | | **7** |
| 5 | | | | | | **9** |
| | **3** | **3** | **10** | **15** | **8** | |

| | 1 | 2 | 3 | 4 | 5 | |
|---|---|---|---|---|---|---|
| 1 | | | | | | **11** |
| 2 | | | | | | **7** |
| 3 | | | | | | **5** |
| 4 | | | | | | **8** |
| 5 | | | | | | **12** |
| | **1** | **4** | **15** | **?** | **?** | |

| | 1 | 2 | 3 | 4 | 5 | |
|---|---|---|---|---|---|---|
| 1 | | | | | | **?** |
| 2 | | | | | | **3** |
| 3 | | | | | | **11** |
| 4 | | | | | | **?** |
| 5 | | | | | | **8** |
| | **14** | **5** | **13** | **9** | **3** | |

# Kakurasu III

When the puzzles get bigger, you may find it quicker to subtract than to add, and to look for numbers that are 1 or 2 less than a sum. For example: *Since 1+2+3+4+5+6 = 21, what is the only way to get 19?* Or *Which blocks can I cross out if I need a sum of 4?*

| | 1 | 2 | 3 | 4 | 5 | 6 | |
|---|---|---|---|---|---|---|---|
| 1 | | | | | | | **10** |
| 2 | | | | | | | **7** |
| 3 | | | | | | | **5** |
| 4 | | | | | | | **8** |
| 5 | | | | | | | **17** |
| 6 | | | | | | | **9** |
| | **16** | **12** | **12** | **5** | **12** | **9** | |

| | 1 | 2 | 3 | 4 | 5 | 6 | |
|---|---|---|---|---|---|---|---|
| 1 | | | | | | | **5** |
| 2 | | | | | | | **12** |
| 3 | | | | | | | **6** |
| 4 | | | | | | | **10** |
| 5 | | | | | | | **15** |
| 6 | | | | | | | **11** |
| | **17** | **9** | **10** | **14** | **7** | **12** | |

| | 1 | 2 | 3 | 4 | 5 | 6 | |
|---|---|---|---|---|---|---|---|
| 1 | | | | | | | **16** |
| 2 | | | | | | | **7** |
| 3 | | | | | | | **3** |
| 4 | | | | | | | **7** |
| 5 | | | | | | | **8** |
| 6 | | | | | | | **15** |
| | **12** | **16** | **12** | **15** | **3** | **7** | |

| | 1 | 2 | 3 | 4 | 5 | 6 | |
|---|---|---|---|---|---|---|---|
| 1 | | | | | | | **8** |
| 2 | | | | | | | **15** |
| 3 | | | | | | | **7** |
| 4 | | | | | | | **5** |
| 5 | | | | | | | **14** |
| 6 | | | | | | | **9** |
| | **15** | **19** | **?** | **?** | **?** | **?** | |

Find many more, from 4x4 to 9x9, at Brainbashers .