

# Kakuro Magic Blocks

The secret to solving Kakuro puzzles is learning how to use magic blocks – those special situations where only a single combination of numbers can fit into a block of a given length.

Whenever Kakuro solvers spot a magic block, they immediately know which numbers are going to be used in that block and all they have to worry about is in which order.

The table below shows all the magic block possibilities which may occur in a Kakuro puzzle.

Sum	Block	Combination
3	2	1+2
4	2	1+3
16	2	7+9
17	2	8+9
6	3	1+2+3
7	3	1+2+4
23	3	6+8+9
24	3	7+8+9
10	4	1+2+3+4
11	4	1+2+3+5
29	4	5+7+8+9
30	4	6+7+8+9
15	5	1+2+3+4+5
16	5	1+2+3+4+6
34	5	4+6+7+8+9
35	5	5+6+7+8+9
21	6	1+2+3+4+5+6
22	6	1+2+3+4+5+7
38	6	3+5+6+7+8+9
39	6	4+5+6+7+8+9
28	7	1+2+3+4+5+6+7
29	7	1+2+3+4+5+6+8
41	7	2+4+5+6+7+8+9
42	7	3+4+5+6+7+8+9
36	8	1+2+3+4+5+6+7+8
37	8	1+2+3+4+5+6+7+9
38	8	1+2+3+4+5+6+8+9
39	8	1+2+3+4+5+7+8+9
40	8	1+2+3+4+6+7+8+9
41	8	1+2+3+5+6+7+8+9
42	8	1+2+4+5+6+7+8+9
43	8	1+3+4+5+6+7+8+9
44	8	2+3+4+5+6+7+8+9
45	9	1+2+3+4+5+6+7+8+9