

FREE PRINTABLE SAMPLE

Kakuro Puzzles

4 kakuro puzzles with their solutions

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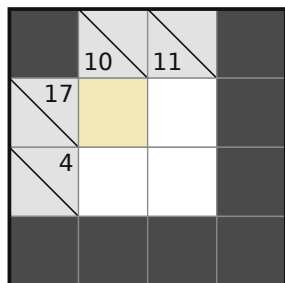
How to solve a kakuro

1. The grid is a crossword with numbers. Every white cell takes a single digit from 1 to 9.
2. A grey cell with a diagonal carries the clues. The number in the upper-right triangle is the sum of the white cells running to the right of it, up to the next grey cell. The number in the lower-left triangle is the sum of the white cells running down from it.
3. Within one run, no digit may be used twice. 4 in two cells is 1+3, never 2+2.
4. Every white cell belongs to one across run and one down run, and must satisfy both. That crossing is where all the deduction happens.
5. Write only what the clues force. In this book you never need to guess: if a run will not move, another one will, and coming back later always works.

The move that starts almost every puzzle

Some clues can be made in only one way. 3 in two cells must be 1 and 2; 17 in two cells must be 8 and 9; 6 in three cells must be 1, 2 and 3. Find those runs first and write the possible digits lightly in the cells. Where a run with only one combination crosses another such run, the shared cell can hold only a digit that is in both — often just one.

Example: the across 17 crosses the down 10 in the shaded cell.



Across 17 in two cells: only 8 + 9.

Across 4 in two cells: only 1 + 3.

The shaded cell is in the across 17, so it is 8 or 9, and in the down 10, whose other cell is 1 or 3.

8 + 3 and 9 + 3 miss 10; 8 + 2 would need a 2 that the across 4 cannot supply. Only 9 + 1 works: the shaded cell is 9, the cell below it is 1, and the rest follows.

Chains of small comparisons like this are the whole game.

Puzzle 1

6 × 6 · Level 1 Warm-Up

		21	16		
	13			21	
20					10
11			3		
	29		11		
		6			

Puzzle 2

6 × 6 · Level 1 Warm-Up

	17	18		26	4
16			6		
24			21		
	8				4
22	3				
6			11		

Puzzle 3

6 × 6 · Level 1 Warm-Up

	16	30		33	4
10			6		
			20		
30					
	24				
	11				4
32					
6			10		

Puzzle 4

8 × 8 · Level 1 Warm-Up

	17	12	9			3	7
23					6		
					15		
10				6			
			6				
4			12				
		6				30	
	19						
							13
	3	10	3		17		
6				6			
				14			
8				9			

Solutions

		4	9		
1	3	7	9		
2	9		1	2	
	5	9	7	8	
		2	4		

Puzzle 1

	9	7		5	1
	8	2	7	4	3
		1	5	2	
	2	3	9	7	1
	1	5		8	3

Puzzle 2

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

Puzzle 3

	9	6	8		2
7	2	1		2	1
1	3		3	9	
	1	3	2	4	9
		2	1		8
2	3	1		4	7
1	7			2	6

Puzzle 4

		9	3	8	
7	6	1	9		
9	8		3	1	
	5	8	6	2	
	3	9	1		

Puzzle 5

		7	9		
	9	6	8	5	
	8	1		7	1
		9	5	8	3
			2	3	

Puzzle 6

	5	7		8	9
	9	5	3	4	7
		6	4	7	
	6	8	9	5	1
	7	9		9	6

Puzzle 7

	1	4		9	8
	3	2	4	5	1
		3	7	1	
	9	7	8	4	1
	8	1		8	4

Puzzle 8

		3	9	7	
	1	8	9	5	6
1	5			7	9
7	9			1	8
2	8	1	7	9	
		5	9	8	

Puzzle 9

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

Puzzle 10

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

Puzzle 11

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

Puzzle 12

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

Puzzle 13

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

Puzzle 14

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

Puzzle 15

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

Puzzle 16

			1	5	2
		1	2	9	7
	5	6			6
	1	2			1
	7	8	6	2	9
		9	2	1	

Puzzle 17

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

Puzzle 18

	1	7		3	9
	2	1	9	6	7
		9	8	4	
	6	3	4	2	1
	9	6		9	2

Puzzle 19

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

Puzzle 20

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

Puzzle 21

	9	8		4	1
	3	4	9	1	2
		3	1	2	
	2	7	3	6	1
	7	9		3	2

Puzzle 22

				1	2
		2	1	3	4
	7	9	8		1
	1	3		1	3
	2	1	7	8	9
	8	4	9		

Puzzle 23

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

Puzzle 24

Enjoyed these?

The full book has 150 puzzles,
with every solution at the back.

Kakuro Puzzles: From Beginner to Master

by Marlow Quill — paperback on Amazon

amazon.com/dp/B0HJ4V6WXB

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