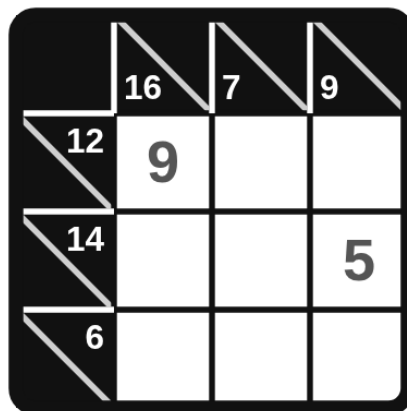


Kakuro Puzzle Book



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How to play Kakuro

Kakuro is a crossword made of digits. Instead of words, you write digits from 1 to 9, and instead of definitions, the grey squares give sums. Every grid has exactly one solution.

The rules

	3	6		26	8		
4	1	3		16	9	7	
3	2	1		7	6	1	
		15	2	5	8	6	
		11		7	3	1	5
	16		7	9	3	2	1
	12	4	8	7	3	4	

Write a digit from 1 to 9 in every white square. The number in the top right corner of a grey square is the sum of the white squares to its right; the number in the bottom left corner, the sum of the white squares below it. Here: $4 = 1 + 3$.

	3	6		26	8		
4	1	3		16	9	7	
3	2	1		7	6	1	
		15	2	5	8	6	
		11		7	3	1	5
	16		7	9	3	2	1
	12	4	8	7	3	4	

A digit never appears twice in the same sum. Here, $26 = 9 + 6 + 8 + 3$: four different digits.

Easy: 6 x 6 grid, sums of 2 to 4 squares. Medium: 8 x 8, sums of 2 to 4 squares. Hard: 10 x 10, sums of up to 5 squares. Expert: 12 x 12, sums of up to 5 squares.

An example, step by step

Step 1 – Sums with only one possibility

	3	6		26	8		
4				16			
3				7			
		15		29			
					6		
		11					5
		11					
	16				3		
	12				7		

At the top left, the 4 covers 2 squares: with two different digits, only $1 + 3$ makes 4 ($2 + 2$ is not allowed). The 3 of the second column also covers 2 squares: only $1 + 2$.

Step 2 – Where two sums cross

	3	6		26	8	
4	①		16			
3			7			
	15		29			
		11			6	
		11				5
	16			3		
	12			7		

The top left white square belongs to both sums. It must be 1 or 3 (for the 4) and 1 or 2 (for the 3). The only digit in both lists is 1.

Step 3 – Finish the sums

	3	6		26	8	
4	1	③	16			
3	②	①	7			
	15		29			
		11			6	
		11				5
	16			3		
	12			7		

The 4 needs 1 + 3: the square to the right of the 1 is a 3. The 3 needs 1 + 2: the square below the 1 is a 2. In the next row, the 3 then needs a 1 after the 2. Keep going: each digit found makes another sum easier.

Tips

- Learn the sums with only one possibility. 2 squares: $3 = 1 + 2$, $4 = 1 + 3$, $16 = 7 + 9$, $17 = 8 + 9$. 3 squares: $6 = 1 + 2 + 3$, $7 = 1 + 2 + 4$, $23 = 6 + 8 + 9$, $24 = 7 + 8 + 9$.
- 4 squares: $10 = 1 + 2 + 3 + 4$, $11 = 1 + 2 + 3 + 5$, $29 = 5 + 7 + 8 + 9$, $30 = 6 + 7 + 8 + 9$.
- When only one square of a sum is empty, subtract the digits already written.
- Use a pencil and write the possible digits in small print. Never guess.

Check your grid

- Check every sum, across and down: the digits add up to the number, and none appears twice.
- Check each new number before moving on: one mistake leads to others.
- When you have finished, compare with the solutions at the end of the book.

Kakuro #1

		19	13	12		
	23					
	7				28	8
4	3		20			
10			12	8		
		24		15		
		14				

Kakuro #2

	12	16			24	10
16			8	10		
17				8		
				10		
	15	22				
11					11	10
3			8			
16				17		

Kakuro #3

	21	23	15			
13						
19				21		
26					23	6
		27				
			14			
			10			

Kakuro #4

				27	4	16
	10	11	17			
4			16			
			27			
30					16	11
	11	5	29			
21				15		
6						

Kakuro #5

	7	17	29		24	6
23				9		
16				12		
				13		
	15	10				
27					12	3
6			6			
4			14			

Kakuro #6

		30	17	21		
	24					
	19				19	4
16			13			
23			16	8		
		7				
		18				

Kakuro #7

		13	21		19	9
	5			10		
	17			16		
		9		26		
	24				7	
9			15			
17			7			

Kakuro #8

	15	20		24	8	4
14			7			
15			16			
	19				11	
	4	11				15
9				9		
11				16		

Solutions

Kakuro #1 - Solutions

		19	13	12		
	23	8	9	6		
	7	1	4	2	28	8
4	1	3	20	4	9	7
10	2	7	1	8	7	1
		24	9	7	8	
		14	2	8	4	

Kakuro #2 - Solutions

	12	16			24	10
16	9	7	8	10	8	2
17	3	9	5	8	7	1
	15	12	22	1	5	9
11	5	3	2	1	11	10
3	1	2	8	4	3	1
16	9	7		17	8	9

Kakuro #3 - Solutions

	21	23	15			
13	4	8	1			
19	9	6	4	21		
26	8	9	3	6	23	6
		27	7	8	9	3
			14	4	8	2
			10	3	6	1

Kakuro #4 - Solutions

				27	4	16
	10	11	17	9	1	7
4	1	3	16	4	3	9
30	9	8	7	6	16	11
	11	5	29	9	8	7
21	9	4	8	15	9	6
6	2	1	3			

Kakuro #5 - Solutions

	7	17	29		24	6
23	6	9	8	9	8	1
16	1	8	7	12	9	3
	15	10	19	9	1	7
27	9	6	5	7	12	3
6	5	1	6	2	3	1
4	1	3	14	3	9	2

Kakuro #6 - Solutions

		30	17	21		
	24	8	9	7		
	19	6	8	5	19	4
16	9	7	13	9	3	1
23	8	9	6	8	5	3
		7	2	1	4	
		18	8	3	7	

Kakuro #7 - Solutions

		13	21		19	9
	5	4	1	10	8	2
	17	9	8	16	9	7
		9	3	4	2	
	24	8	9	7	7	
9	2	7	15	9	6	
17	8	9	7	6	1	

Kakuro #8 - Solutions

	15	20		24	8	4
14	9	5	7	4	2	1
15	6	9	16	7	6	3
	19	6	8	5	11	
	4	3	11	2	8	1
9	1	2	6	9	3	6
11	3	1	7	16	7	9

Thank you!

Thank you for choosing this book! We hope you enjoyed solving these puzzles.