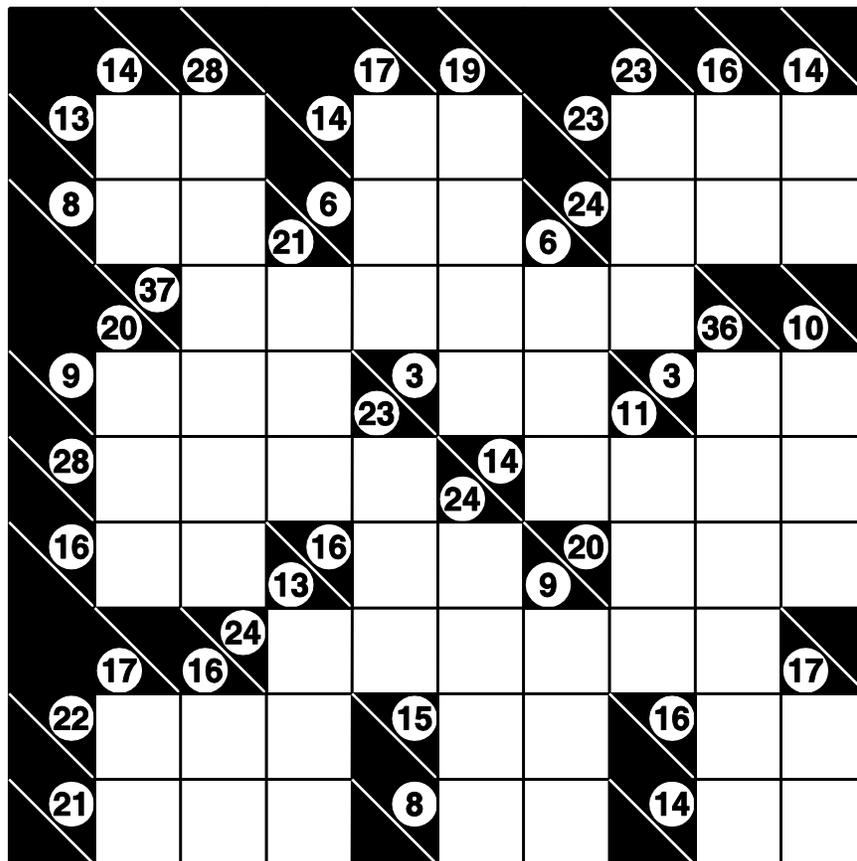


# KAKURO

## 9x9 and 14x14

### Samples Document



Easy

By

Andrew Stuart  
Jeff Widderich

# About Kakuro

Kakuro is a classic number puzzle from Japan. It has elements of Sudoku - simple to learn and play yet possesses a wide variety of difficult grades. Andrew Stuart has been making these puzzles since 2005. They should be a staple of any puzzle page. There are two designs in this sample pack – the one often preferred in North America (circled numbers with a divider) and the other the European style (numbers chevrons). Both styles look great and it's entirely up to you which you choose.

## The Rules

Place 1 to 9 in each white cell. To choose the right number you need to work from the clues in around the edge. The numbers below the diagonal lines are the sums of the solutions in the white cells immediately beneath. The numbers above the divide are the sums of the solutions immediately to the right. Rows and columns do NOT have to be unique.

Thus, if a 3 is shown as a clue there will be two cells waiting for you to put the digits 1 and 2 in them – the only possible sum that will equal 3

The final rule is that no number may be repeated in any block. For example, if the clue is 4, the only possible solution will be 1 and 3 (or 3 and 1), never 2 and 2.

## Ordering

To order these puzzles contact Jeff Widderich on +1 250 885 8344 or email  
**sales@syndicatedpuzzles.com**

For technical, strategy or production related questions, please email Andrew Stuart on  
**andrew@syndicatedpuzzles.com**

Grades are easy, moderate, tough and diabolical

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# Tips on Playing Kakuro

Let's look at a small but real Kakuro. Where do you start? Well, before we commence entering lots of candidate numbers there is an important rule to learn. We have already learned that there are some fixed combinations of numbers, such as 3 in two = 1 and 2, 4 in two = 1 and 3. If two of these blocks intersect and share a unique number then the point where they intersect must be that common number. If we examine the puzzle, there are quite a few of these fixed combinations:

- \* 3 in two = 1, 2
- \* 4 in two = 1, 3
- \* 7 in three = 1, 2, 4
- \* 16 in five = 1, 2, 3, 4, 6

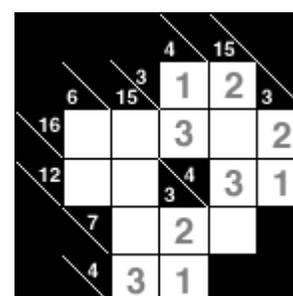
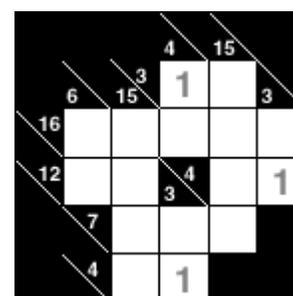
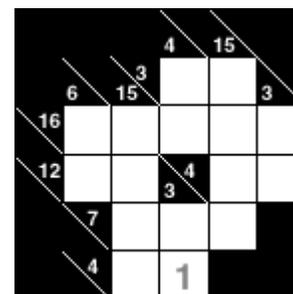
Are there any combinations that intersect and share a unique digit? Yes, look at the bottom row of Figure 1. Here the 4 intersects with the 3 in the central black square. They both share the number 1 uniquely, so that must be the number that goes in the cell that they both share. Before we move on to find some more of these, it is important to remember that they must share the number uniquely. For example, the 16 intersects with the top 4, but they both contain 1 and 3, so the cell at the intersection could be either 1 or 3 (but that fact may in itself be a help later on).

Back at our puzzle there are two more places where 3 and 4 intersect (Figure 2), so both of the intersecting cells resolve to 1. Having solved those three squares directly, there are now some holes that can be filled as a result (Figure 3).

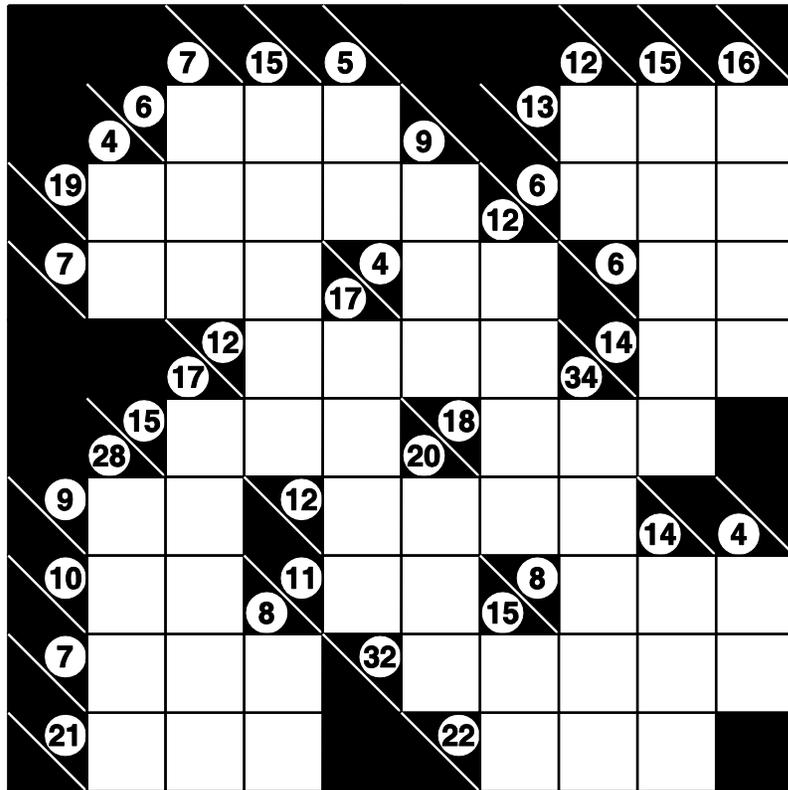
## Table of known combinations

To help you find the combinations of numbers that add up to a clue, this table is a good start. But there may be combinations which have many more possible solutions – especially on the harder puzzles. However, this table lists the useful easy ones.

Clue	Cells	Combinations	Clue	Cells	Combinations
3	2	1,2	16	5	1,2,3,4,6
4	2	1,3	34	5	4,6,7,8,9
16	2	7,9	35	5	5,6,7,8,9
17	2	8,9	21	6	1,2,3,4,5,6
6	3	1,2,3	22	6	1,2,3,4,5,7
7	3	1,2,4	38	6	3,5,6,7,8,9
23	3	6,8,9	39	6	4,5,6,7,8,9
24	3	7,8,9	28	7	1,2,3,4,5,6,7
10	4	1,2,3,4	29	7	1,2,3,4,5,6,8
11	4	1,2,3,5	41	7	2,4,5,6,7,8,9
29	4	5,6,7,8	42	7	3,4,5,6,7,8,9
30	4	6,7,8,9	Any	8	1-9 except 45-clue value
15	5	1,2,3,4,5	Any	9	1-9 inclusive

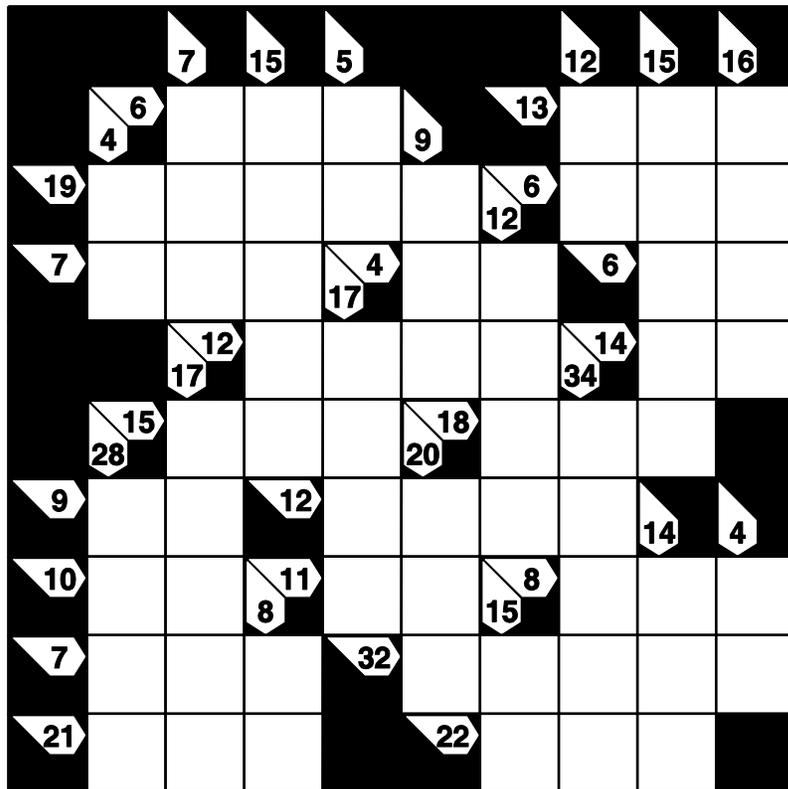


1.



Easy

2.



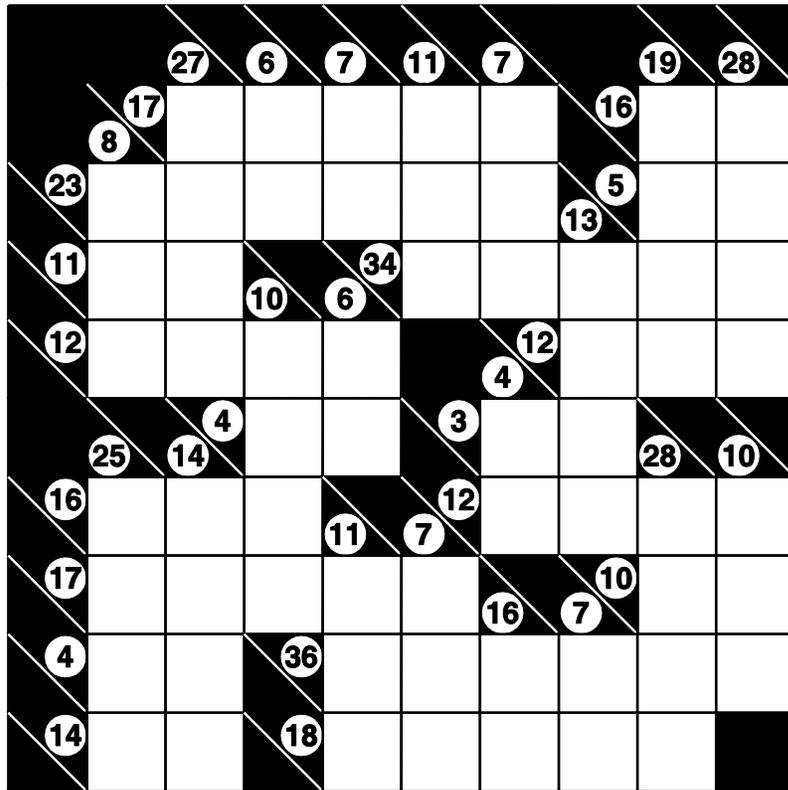
Easy

Easy 14 x 14

3

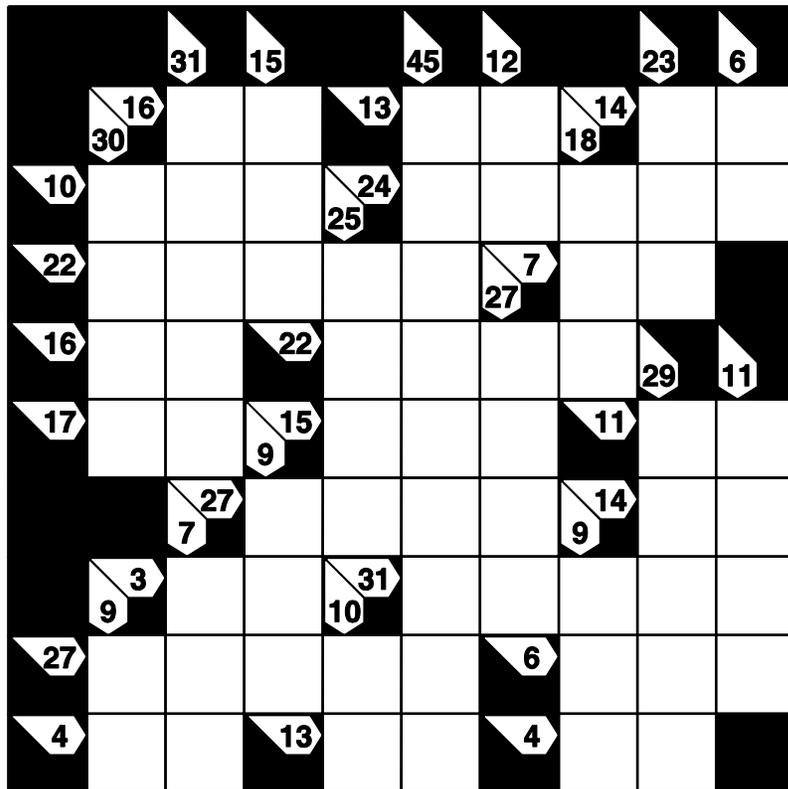
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4.



Moderate

5.

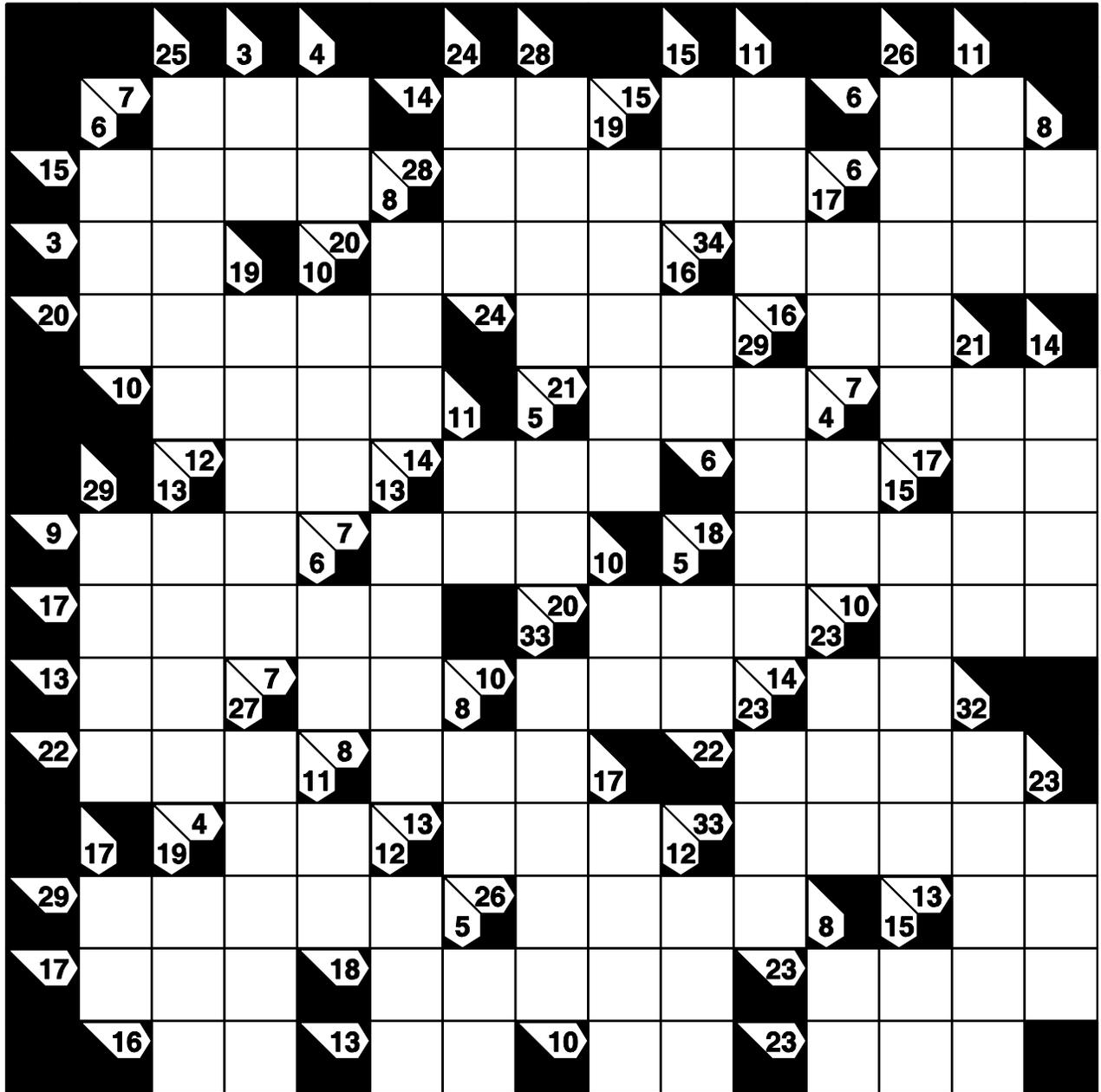


Moderate

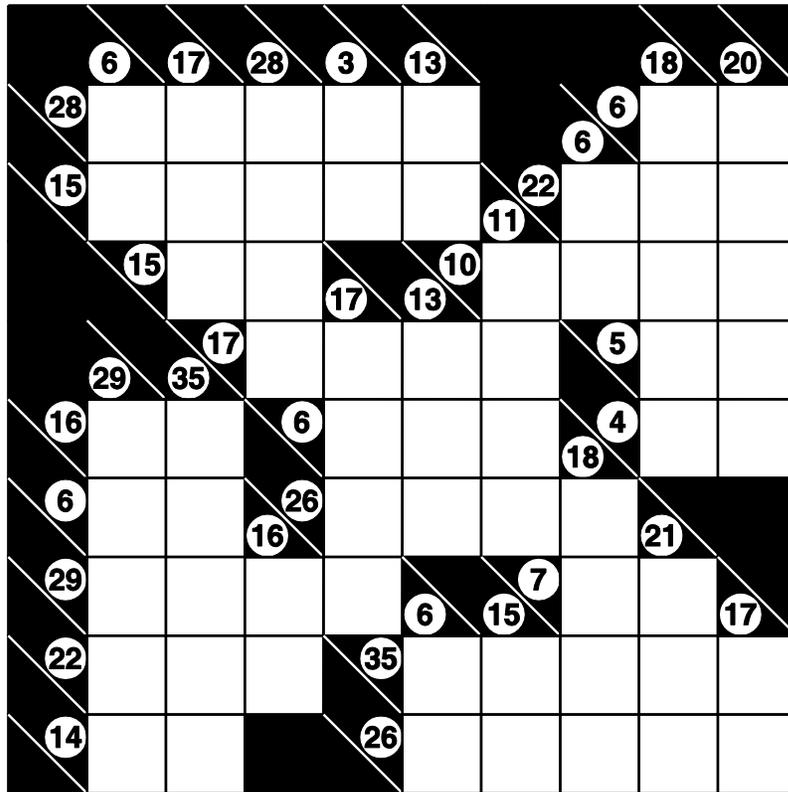
Moderate 14 x 14

6

.

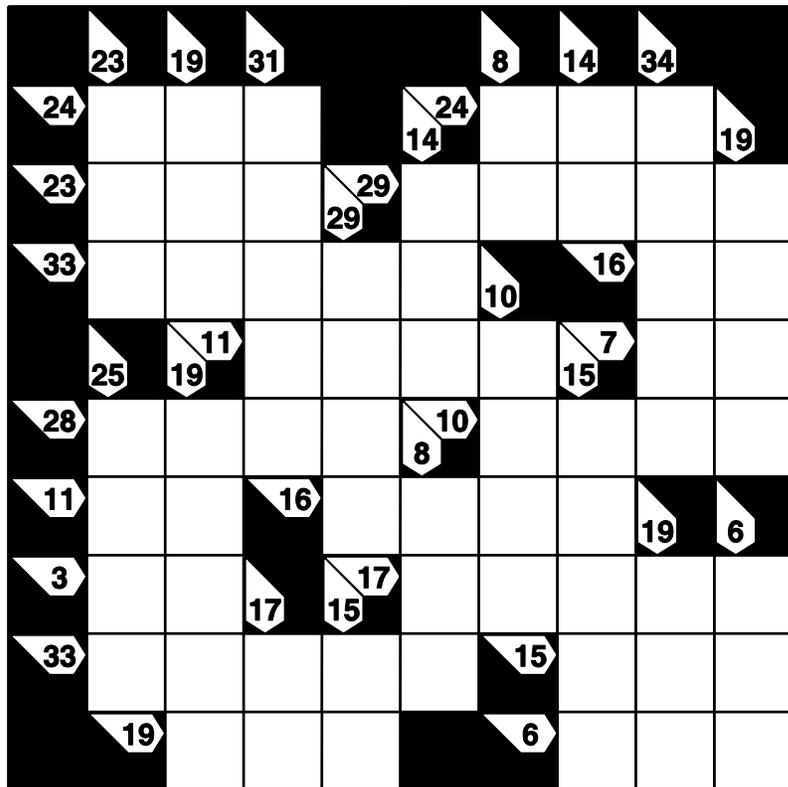


7.



Tough

8.



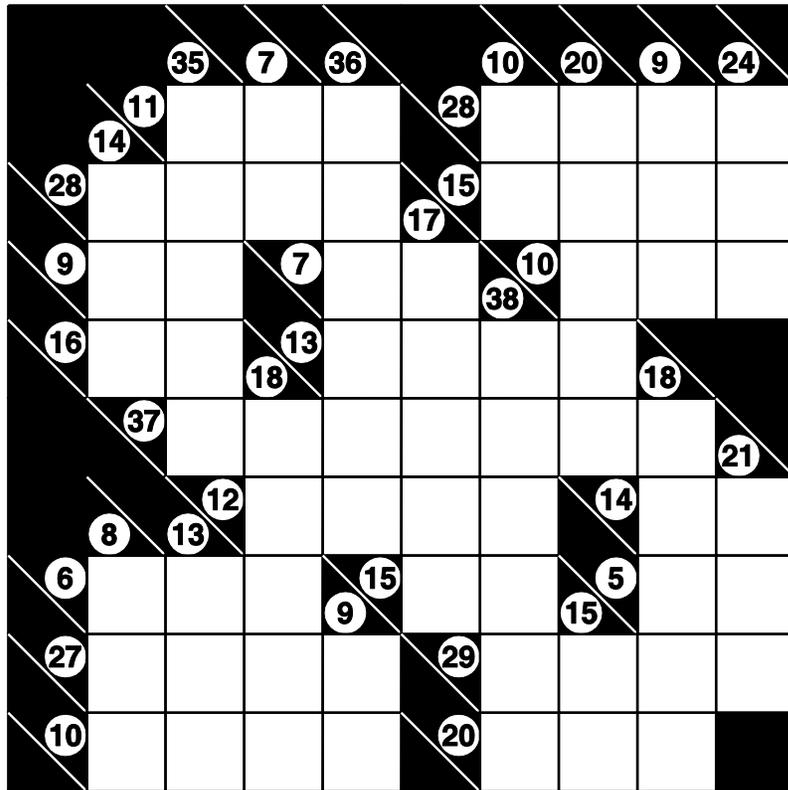
Tough

Tough 14 x 14

9.

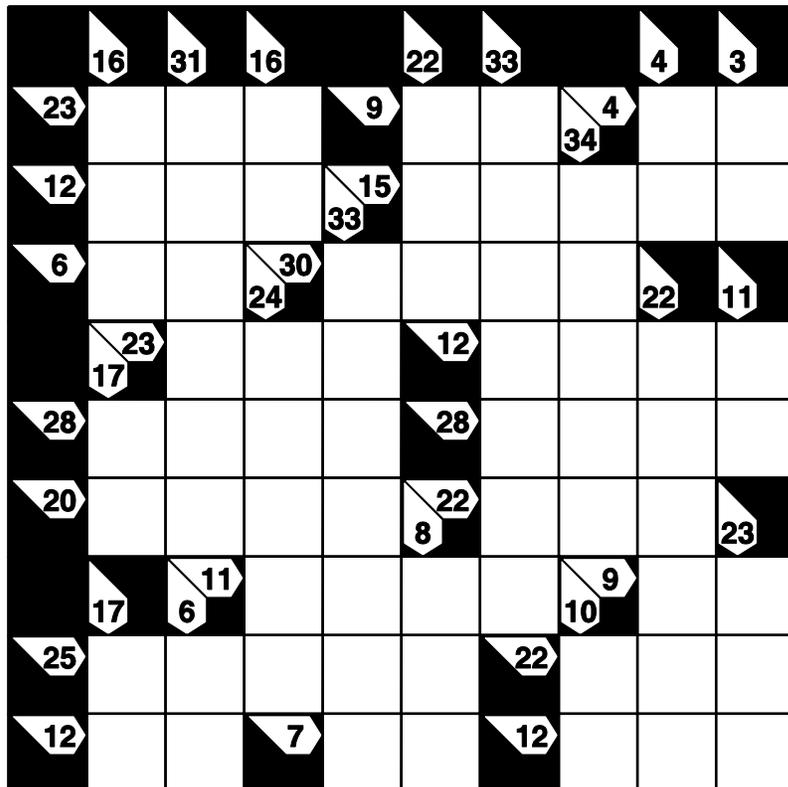
	4	6	23		23	17	7		17	9	24		
7				6	16				22				27
11					23				33				
	19					13	22	15			11		
	25	6				17				32	16		
24				19	10	24			25	14			
45									17			13	27
6			24				24				12		
5			13				17	23	17			7	
	28	8			45								
27					12	4	21			13	21	11	
10			14		16				23				19
20				8	3			5	9	33			6
25						6					11		
	24					19					15		

10.



Diabolical

11.



Diabolical

Diabolical

12.

A 12x12 Kakuro puzzle grid. The grid is filled with black squares representing non-clue cells. Clues are placed in white squares, with numbers indicating the sum of digits in the row or column. The clues are as follows:

- Top row: 12, 16, 8, 28, 15, 16, 5, 29, 35, 32
- Right side (row 1 to 12): 13, 17, 10, 16, 4, 16, 9, 15, 10, 19, 10, 30, 28, 14, 16, 16, 14, 16
- Bottom row: 37, 34, 6, 14, 10, 21, 22, 33, 7, 21, 6, 10, 17, 30, 11, 12, 12, 6, 12, 4, 16, 9, 15, 29, 19, 26, 10, 10, 30, 10, 31, 9, 29, 28, 12, 28, 12, 28, 14, 14, 16, 16, 11, 37, 14, 16, 17, 23, 36, 17, 12, 10, 9, 14

Newspaper version: Tall

# KAKURO

No 365. Easy

Place 1 to 9 in each white cell. To choose the right number you need to work from the clues in around the edge. The numbers below the diagonal lines are the sums of the solutions in the white cells immediately beneath. The numbers above the divide are the sums of the solutions immediately to the right. Rows and columns do NOT have to be unique.

You can find hints and tips at [www.SudokuWiki.com](http://www.SudokuWiki.com)

Yesterday's solution  
Diabolical

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

	14	28			17	19			23	16	14
13				14				23			
8				6				24			
			21				6				
	37								36	10	
20											
9					3				3		
				23				11			
28					14						
				24				20			
16				16				9			
			13								
	17	16	24								17
22											
				15					16		
21					8				14		

# KAKURO

No 365. Easy

Yesterday's solution, Diabolical

	14	28			17	19			23	16	14
13				14				23			
8				6				24			
			21				6				
	37								36	10	
20											
9					3				3		
				23				11			
28					14						
				24				20			
16				16				9			
			13								
	17	16	24								17
22											
				15					16		
21					8				14		

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

Newspaper version  
:Wide

Place 1 to 9 in each white cell. To choose the right number you need to work from the clues in around the edge. The numbers below the diagonal lines are the sums of the solutions in the white cells immediately beneath. The numbers above the divide are the sums of the solutions immediately to the right. Rows and columns do NOT have to be unique. The solution will be published here tomorrow.

You can find hints and tips at [www.SudokuWiki.com](http://www.SudokuWiki.com)

## Easy Solutions

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

No 1

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

No 2

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

No 4

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

No 5

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

No 3

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

No 6

## Tough Solutions

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

No 7

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

No 8

## Diabolical Solutions

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

No 10

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

No 11

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

No 9

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

No 12