SUDOKU 数独

Please enjoy these sample pages from Sudoku.

A subscription to Sudoku is the best way to ensure you never miss this brilliant magazine, delivered direct to your door!

How To Solve Sudoku

Place a digit from 1-9 in each empty cell so that each row, each column and each 3x3 block contains all the digits from 1-9.

Solving tip: stepping stones

As the same digit can't fall in the same row or column as itself, by focusing on a single digit in a 3x3 block (eg. 7 in the middle-right 3x3 block of this example) there often remains only one place for a digit to go.

Solving tip: row, box and column

It is possible to zone-in on a single cell and, by taking account of the other numbers in the row, column and 3x3 block in which it appears, identify the digit that must appear in that cell, eg. only an 8 can go in the highlighted cell of the example.

Solving tip: exceptions

Sometimes, you'll need to consider which numbers cannot go in certain cells, eg. look at the central 3x3 block at the bottom of the example. We know what digits must go in the empty cells, but we don't yet know the order. But, this information can be used to help fill the other blank cells along this row (5 and 7).

Sudoku is simple to learn, requires no calculations, and provides a surprisingly wide variety of logical situations. Good luck!

Example.

Solution.

Killer Sudoku

The normal rules of Sudoku apply. In addition, the digits in each inner shape (marked by dots) must add up to the number in the top corner of that box. No digit is repeated in an inner shape.


Extract of a Killer Sudoku.

Remember:
• The numbers in each row, each column and each 3x3 block must always add up to 45. (1+2+3+4+5+6+7+8+9=45.)
• For some inner shapes, only one combination of digits will be possible, eg. a 1 and 3 in a two-cell 4-sum.
• Don't forget the basic rules of Sudoku. It's easy to get tangled up in sums when the standard rules will get you there.

Loop the Loop

Connect adjacent crosses with vertical or horizontal lines so that a single loop is formed with no crossings or branches. Each number indicates how many lines surround it, while empty cells may be surrounded by any number of lines.
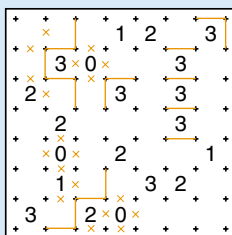
Solving tips:
• Mark gaps with an x, between crosses you know cannot be linked, eg. around 0s.
• To create a single loop, the line must always be extended. Certain patterns in the positioning of clues will set you on your way, eg. where a 3 is adjacent to a 0 or adjacent 3s.

Bridges

Each circle containing a number represents an island. The object is to connect each island with vertical or horizontal bridges so that:
• the number of bridges equals the number inside the island;
• there is a continuous path connecting all the islands.
There can be up to two bridges between two islands. Bridges cannot cross islands or other bridges.
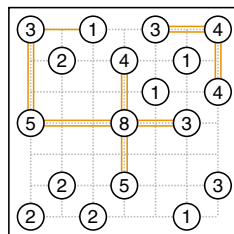
Solving tips:
• Start with 8-islands (the maximum number of bridges an island could have).
• Islands in corners are restricted.
• Each newly placed bridge limits the options for surrounding islands.

Mild

1

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

2

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

3

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

Medium

4

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

SUDOKU: THE FIRST AND THE FINEST

5 Killer

The normal rules of Sudoku apply. In addition, the digits in each inner shape add up to the number in the top corner of that box. No digit is repeated in an inner shape.

Cage sums (reading left to right, top to bottom): 22, 16, 19, 11, 9 / 20, 10 / 4, 9, 14, 11, 19 / 15, 23 / 12, 24 / 25, 22, 7 / 11, 13, 13 / 3, 22, 12, 11 / 12, 8, 8

6

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

Hard

7

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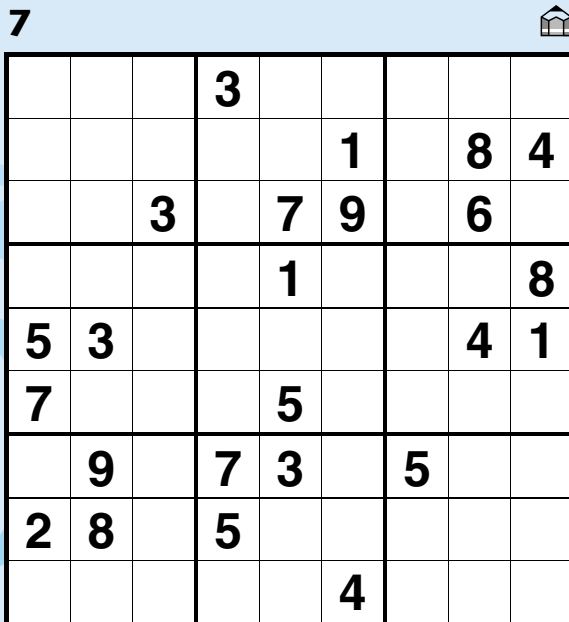
8

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

9

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

Solutions

1

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

2

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

3

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

4

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

5

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

6

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

7

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

8

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

9

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