

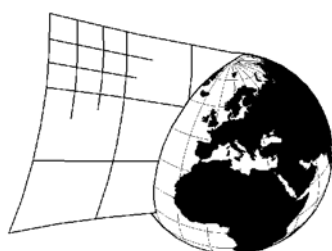
Competition puzzles Sudoku

SUDOKUCUP 11



HALAS
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**Tournament
of HALAS
league**



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Spedrapid

1) Classic Sudoku (24 points)

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded 3x3 box.

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

2) Classic Sudoku (23 points)

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded 3x3 box.

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

3) Fortress Sudoku (22 points)

Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the rows, columns, and bolded 3x3 box. There is a fortress on the playground formed by coloured cells. The coloured cells must be greater than the horizontally or vertically adjacent white cells.

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

4) Even/Odd Sudoku (16 points)

Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the rows, columns, 3x3 box. Numbers placed in dark grey cells must be even. Numbers placed in light gray cells must be odd.

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

5) Renban Groups (25 points)

Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the rows, columns, 3x3 box. Additionally, shaded cells in each 3x3 box must contain consecutive digits (example: 2, 3, 4; 6, 7, 8, 9 etc.).

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

6) Thermo Sudoku (21 points)

Write a single number from 1 to 9 in each cell such that each number appears exactly once in every row, column, and bolded 3x3 box. Bent thermometers appear in the grid. In all cases, the numbers appearing in the thermometer must be strictly increasing from the 'bulb' of the thermometer to its end.

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

7) Jigsaw Sudoku (20 points)

Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the rows, columns, and the irregularly shaped regions.

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

8) Worms sudoku (11 points)

Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each row, column and 3x3 box. Also two 9-digits worms should be placed into the two colored regions. The head and the tail of a worm are not given.

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

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

9) Fortress Sudoku 6x6 (2 points)

Write a single number from 1 to 6 in each cell such that each number appears exactly once in every row, column, and bolded box. Write a single number from 1 to 6 in each cell such that each number appears exactly once in every row, column, and bolded box.

1 ▷

		4	3		
	2			5	
5					2
6					1
	1			6	
		3	2		

2 ▷

11) Half consecutive 6x6 (2 points)

Write a single number from 1 to 6 in each cell such that each number appears exactly once in every row, column, and bolded box. There are some adjacent cells that have a small circle between them. Those cells are consecutive in value.

1 ▷

		3	4		
	5	↑	○	2	
3	○	↑	→		4
5	←	→	○		6
	3	○	↓	6	
		6	3		

2 ▷

1 ▷

		4	2		
	5			1	
5					2
3					5
	1			2	
		3	5		

2 ▷

10) Even/Odd Sudoku 6x6 (2 points)

Write a single number from 1 to 6 in each cell such that each number appears exactly once in every row, column, and bolded box. Numbers placed in dark grey cells must be even. Numbers placed in light grey cells must be odd.

1 ▷

		4	1		
	3			5	
3		○	○		6
4		○		○	1
	2		○	6	
		3	2		

2 ▷

12) Arrow Sudoku 6x6 (2 points)

Write a single number from 1 to 6 in each cell such that each number appears exactly once in every row, column, and bolded box. The number in a circle is the sum of the digits which are covered by its arrow.

13) X - (X) Sums (48 points)

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded 3x3 box. The numbers on the outside indicate the sum of the first X digits in that row or column from that side. If the number outside of the grid is in a circle then X is the number which is on the first position in that row or column. For all given outside clues the circles are marked.

Example:

		9	17	5	
7	7	6	1	(1)	
(10)	2	8	4	12	
12	9	3	5	8	
	18	(17)	5		

		11	11	11	44	22	22	11	11	(11)	
	33	[]	[]	[]	[]	[]	[]	[]	[]	[]	11
1 ▷	11	[]	[]	[]	[]	[]	[]	[]	[]	[]	22 ▷
	(33)	[]	[]	[]	[]	[]	[]	[]	[]	[]	11
	44	[]	7	[]	2	[]	4	[]	[]	[]	
		9	[]	5	[]	6	[]	2	[]	[]	
		[]	2	[]	4	[]	9	[]	[]	[]	(44)
2 ▷	11	[]	[]	[]	[]	[]	[]	[]	[]	[]	33 ▷
	22	[]	[]	[]	[]	[]	[]	[]	[]	[]	11
	11	[]	[]	[]	[]	[]	[]	[]	[]	[]	33
		(11)	11	11	11	11	11	11	11	22	11

14) Arrow Sudoku (15 points)

Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the rows, columns, 3x3 box. The number in a circle is the sum of the digits which are covered by its arrow.

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

15) Half Consecutive (10 points)

Write a single number from 1 to 9 in each cell so that each number appears exactly once in every row, column, and bolded 3x3 box. There are some adjacent cells that have a small circle between them. Those cells are consecutive in value.

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

