



1 Classic Sudoku
 (16 points)

Place a number from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each number exactly once.

			3		9			
		4	5		1	6		
1A →	9							5
	7	2					6	9
1B →								
	1	6					3	4
	5							3
		8	2		7	5		
			8		6			

2 Classic Sudoku
 (18 points)

Place a number from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each number exactly once.

	3						2	4
		1	2	3				
2A →		8		4				
		7	6	5	4			
				6	8			
						1	2	3
2B →						8		4
						7	6	5
	8	2						



3 Classic Sudoku
 (21 points)

Place a number from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each number exactly once.

3A →		4					5	
	1							7
		7		5		8		4
	9			1		4		2
3B →								
	3			9		5		6
		2		7		3		1
	6							3
		8						2

4 Classic Sudoku
 (25 points)

Place a number from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each number exactly once.

	8	9				4			5
					6				7
4A →			2				3		
	1				5				
		2						9	
					8				6
4B →			5				7		
	7				9				
	6			8				1	3



5 Classic Sudoku
 (29 points)

Place a number from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each number exactly once.

5A →

5B →

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

6 Classic Sudoku
 (36 points)

Place a number from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each number exactly once.

6A →

6B →

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



7 Palindrome Sudoku
 (35 points)

Apply classic sudoku rules.

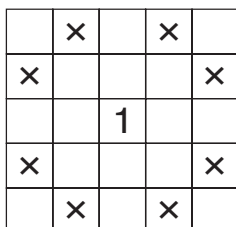
Additionally, numbers placed along marked lines must form a palindromic sequence, e.g. 12344321.

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

8 Anti-Knight Sudoku
 (45 points)

Apply classic sudoku rules.

Additionally, numbers placed in cells related by a chess Knight's move (see the diagram) must be different.



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



9 Non-Consecutive Sudoku
 (20 points)

Apply classic sudoku rules.

Additionally, numbers placed in adjacent cells must not be consecutive.

9A →								6
	4							1
9B →								3
					4	9	1	5
					8			
					3			
		7	3	1	5			
		2						
	1	8	4					

10 No Touch Sudoku
 (25 points)

Apply classic sudoku rules.

Additionally, numbers placed in cells that meet diagonally at a point must be different.

10A →		2			4			3	6
		7	6	3		9	5	8	
			2				1		
10B →			3		6		8		
			4				7		
		9	5	6		8	2	4	
	1				9				5



11 XV Sudoku
 (39 points)

Apply classic sudoku rules.

Additionally, adjacent cells containing numbers summing to 5 are marked with a "V"; adjacent cells containing numbers summing to 10 are marked with an "X".

Adjacent cells with no marking must not contain numbers summing to 5 or 10.

5								4
	4			5			1	
		1				9		
		7		9		8		
	5						9	
3				6				1
11A →	1							8
	6			7			2	
11B →		4				1		

12 Kropki Sudoku
 (27 points)

Apply classic sudoku rules.

Additionally, adjacent cells containing consecutive numbers are marked with a white dot. Adjacent cells containing numbers whose ratio is 2 are marked with a black dot.

Adjacent cells with no marking must not contain numbers that are neither consecutive nor whose ratio is 2.

Adjacent cells containing 1 and 2 can be marked by a dot of either colour.

	○		○	○	●			
		○				●		
12A →	○	●		●			○	
			○		●		○	○
	○	○	●				○	●
			○	○			○	
12B →	○			○	●		○	●
				○				○
	○	●		○	○	○		○
			○		●			



13 Thermo Sudoku
 (75 points)

Apply classic sudoku rules.

Additionally, starting at the "bulb," numbers placed along each marked thermometer must form a strictly increasing sequence.

A 6x6 grid for a Thermo Sudoku puzzle. The grid is divided into four 3x3 quadrants by a vertical line between columns 3 and 4 and a horizontal line between rows 3 and 4. Clues are placed in the top-left, top-right, bottom-left, and bottom-right cells of each quadrant: (1,1)=7, (1,6)=3, (4,3)=8, (4,6)=7. A central clue '3' is located at (3,4). Several grey thermometer paths are shown, each starting from a 'bulb' (a grey circle) and extending in a straight line (horizontal, vertical, or L-shaped) to the edge of the grid. The paths are: 1) Top-left bulb at (1,1) extending right to (1,3); 2) Top-right bulb at (1,6) extending left to (1,4); 3) Middle-left bulb at (2,1) extending down to (4,1); 4) Middle-right bulb at (2,6) extending left to (2,4); 5) Middle bulb at (3,4) extending down to (4,4); 6) Middle bulb at (3,4) extending left to (3,2); 7) Middle bulb at (3,4) extending right to (3,6); 8) Middle bulb at (3,4) extending down to (4,4) and then left to (4,2); 9) Middle bulb at (3,4) extending down to (4,4) and then right to (4,6); 10) Middle bulb at (3,4) extending down to (4,4) and then left to (4,2) and then down to (4,1); 11) Middle bulb at (3,4) extending down to (4,4) and then right to (4,6) and then down to (4,5); 12) Middle bulb at (3,4) extending down to (4,4) and then right to (4,6) and then down to (4,5) and then left to (4,3); 13) Middle bulb at (3,4) extending down to (4,4) and then right to (4,6) and then down to (4,5) and then left to (4,3) and then down to (4,2); 14) Middle bulb at (3,4) extending down to (4,4) and then right to (4,6) and then down to (4,5) and then left to (4,3) and then down to (4,2) and then left to (4,1); 15) Middle bulb at (3,4) extending down to (4,4) and then right to (4,6) and then down to (4,5) and then left to (4,3) and then down to (4,2) and then left to (4,1) and then down to (4,0) (out of grid).

14 Frame Diagonal Sudoku
 (42 points)

Apply classic sudoku rules.

Additionally, each marked diagonal must also contain each number from 1-9 exactly once.

The clues outside the grid indicate the sum of the first 3 numbers placed in the corresponding direction.

A 6x6 grid for a Frame Diagonal Sudoku puzzle. The grid is divided into four 3x3 quadrants by a vertical line between columns 3 and 4 and a horizontal line between rows 3 and 4. Clues are placed in the top-left, top-right, bottom-left, and bottom-right cells of each quadrant: (1,1)=21, (1,2)=9, (1,4)=12, (1,5)=16, (1,6)=21, (1,7)=13, (4,1)=8, (4,2)=22, (4,3)=9, (4,4)=5, (4,6)=6, (4,7)=15, (4,8)=7, (4,9)=22, (4,10)=20, (4,11)=12. Two dashed diagonal lines are shown: one from (1,1) to (4,4) and another from (4,6) to (1,9). Clues 14A and 14B are located to the left of the grid, with arrows pointing to the first three cells of the two diagonals respectively.

