

**1 Classic Sudoku**

[19 points]

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

1A →

1B →

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

**2 Classic Sudoku**

[23 points]

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

2A →

2B →

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

**3 Classic Sudoku**

[26 points]

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

3A →

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

3B →

**4 Classic Sudoku**

[28 points]

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

4A →

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

4B →

**5 Classic Sudoku**

[30 points]

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

5A →

5B →

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

**6 Classic Sudoku**

[34 points]

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

6A →

6B →

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

**7 Thermo Sudoku**

[21 points]

Apply classic sudoku rules. Starting at the "bulb", digits placed along each marked thermometer must form a strictly increasing sequence.

7A →

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

7B →

**8 Odd/Even Sudoku**

[35 points]

Apply classic sudoku rules. Digits in circles must be odd and digits in squares must be even.

8A →

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

8B →

**9 Arrow Sudoku**

[42 points]

Apply classic sudoku rules. Each digit placed in a cell with a circle must be the sum of the digits placed in the cells that the adjoining arrow passes through. Digits may repeat on arrows.

9A →

					3	2		
				↑	←	○		
		3	4	↑	9	1		
				○	→			
		4	5		7	8		
			←	○				
	↑	2	3	↓	8	7		
	○	→		↓				
		6	7					

9B →

**10 Consecutive Pairs Sudoku**

[45 points]

Apply classic sudoku rules. If a circle is given between two adjacent cells, then the digits in those cells must be consecutive. Not all circles are given; adjacent cells without a circle may contain either consecutive numbers or non-consecutive numbers.

10A →

10B →

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

**11 Extra Regions Sudoku**  
[50 points]

Apply classic sudoku rules.  
Each of the shaded regions  
must also contain each digit  
from 1-9 exactly once.

11A →

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

11B →

**12 Killer Sudoku**  
[69 points]

Apply classic sudoku rules.  
Digits placed in each marked  
cage must sum to the total  
given in its top-left. Digits  
must not repeat in cages.

12A →

12B →

17		21				24		
	18		29		13			
				15		22		26
26		16						
	16		21	9		18		
						20		
	16				27			11
27								
			13					

### 13 Irregular Sudoku

[100 points]

Place a digit from 1-9 in each empty cell in the grid such that each row, column and marked 9-cell region contains each digit exactly once.

13A →

13B →

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

### 14 Liar Sudoku

[81 points]

Apply classic sudoku rules. Exactly one of the given digits in each row, column and 3x3 box is wrong and must be replaced by a different digit.

14A →

14B →

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

**15 Mysterious Sum and Difference Sudoku**

**[87 points]**

Apply classic sudoku rules. If the sum of adjacent digits is  $S$ , a black dot is given between the cells. If the difference of adjacent digits is  $D$ , a white dot is given between the cells. All possible white and black dots are given. It is part of solving to determine the values of  $S$  and  $D$ . Values of  $S$  and  $D$  may be the same.

**Note:** The case where adjacent cells contain digits whose both sum is  $S$  and difference is  $D$  will not happen.

15A →

15B →

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