

**1 Classic Sudoku****[18 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 →

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

2 Classic Sudoku**[14 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 →

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

**3 Classic Sudoku****[16 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 →

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

3B →

4 Classic Sudoku**[20 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 →

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

4B →

**5 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.

5A →

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

5B →

6 Classic Sudoku**[38 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 →

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

6B →



7 Tight Fit Sudoku

[37 points]

Apply classic sudoku rules. Some cells are split by slashes; in these cells the smaller digit must go above the larger digit.

Note: For the answer key, in slashed cells first enter the digit above.

7A →

7B →

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

8 Odd/Even Sudoku

[42 points]

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

8A →

8B →

	3		6		1		2	
1		○	○	○	□	□		4
	○						□	
2	○						□	9
		○	□	○	□	○		
7	□						○	3
	□						○	
6		□	□	○	○	○		7
	5		7		4		6	

9 Thermo Sudoku

[43 points]

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

9A →

								8
			6					
8								

9B →

10 Consecutive Pairs Sudoku

[50 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 →

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

10B →

11 Killer Sudoku

[66 points]

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

18			18					28
8								
	8		1		2	28		
		8		3				
8				5				
8			6		7			
		38				28		
			3		8			

11B →

11A →

12 Arrow Sudoku

[68 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.

	8		6	←	○			
		→				←	○	
8		○				←		
						↑		
						○		5
						↓		
	←	○				→		
	←	○	5				6	

12A →

12B →

13 Multiples Sudoku

[92 points]

Apply classic sudoku rules. Some numbers are given on the edges between two adjacent cells. Treating those cells as a two-digit number (reading left to right or top to bottom), the two-digit number must be a multiple of the clue. (For example, near a 7 clue, the two digits can be 14, 21, 28, 35, ...)

13A →

	8						8
		5				7	
7	8			5		7	8
		8					9
		9	8		9	8	
8	8					8	8
	8						7
3	3	8				8	8
			8		3		
		3				7	

13B →

14 Shape Sudoku

[68 points]

Apply classic sudoku rules. Each shaded shape below the grid must replace one of the shaded regions in the grid. Shapes can be rotated, but cannot be reflected.

The grid is a 9x9 square divided into 3x3 sub-grids. Shaded regions are as follows:
 Row 1: (1,2), (1,3), (1,4), (1,5), (1,7), (1,8), (1,9)
 Row 2: (2,1), (2,2), (2,5), (2,7), (2,8), (2,9)
 Row 3: (3,1), (3,5)
 Row 4: (4,1), (4,5)
 Row 5: (5,1), (5,2), (5,3), (5,4), (5,6), (5,7), (5,8), (5,9)
 Row 6: (6,5), (6,9)
 Row 7: (7,1), (7,2), (7,3), (7,5), (7,8), (7,9)
 Row 8: (8,1), (8,2), (8,3), (8,5), (8,6), (8,7), (8,8)

Label 14A has an arrow pointing to cell (4,1).
 Label 14B has an arrow pointing to cell (7,1).

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