

1 Classic Sudoku

[22 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 →

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

1B →

2 Classic Sudoku

[22 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 →

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

2B →

3 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.

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

4 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.

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

5 Classic Sudoku

[25 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 →

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

6 Classic Sudoku

[33 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 →

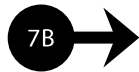
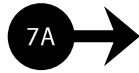
6B →

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

7 Diagonal Sudoku

[30 points]

Apply classic sudoku rules. Each marked diagonal must also contain each digit from 1-9 exactly once.



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

8 Online Sudoku

[36 points]

Apply classic sudoku rules. The set of given digits on each grey line must appear on the same line in the solution. They may or may not appear in the same order.



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

9 Rossini Sudoku

[50 points]

Apply classic sudoku rules. The arrows outside the grid indicate that the first three digits are in ascending or descending order (the highest digit is at the point of the arrow). If there is no arrow outside, the first three digits cannot be in either ascending or descending order.

Note: The answer key arrows are presented in a way that is clearly different to the Rossini arrows. They have no impact on solving and are just to mark rows/columns for submission.

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

Above the grid: ↑ ↓ ↑ ↑
 Below the grid: ↓ ↑ ↑ ↓
 To the left of the grid: ← ← → →
 To the right of the grid: → ← ←
 To the left of the grid: 9A →
 To the left of the grid: 9B →

10 Between Sudoku

[71 points]

Apply classic sudoku rules. Every digit on a grey line must have a value which lies between the values of the two digits in the circles at the ends of the line.

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

10A →

10B →

11 Odd Even Bridge Sudoku

Sudoku

[84 points]

Apply classic sudoku rules. Some circled cells are connected by a bridge. An odd digit in a circle denotes the number of odd digits on the bridge. An even digit in a circle equals the number of even digits on the bridge. The digits in the circles are not counted. If a circled cell is connected by more than one bridge, an odd/even digit in the cell denote the number of odd/even digits on **each** connected bridge (not the sum of all connected bridges).

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

11A →

11B →

12 Diagonally Consecutive Sudoku

[81 points]

Apply classic sudoku rules. All pairs of diagonally adjacent cells containing consecutive digits are marked by a line. If there is no line, diagonally adjacent cells cannot contain consecutive digits.

12A →

12B →

				7				6
6								
			2					
						8		
			7					8

13 Frame Sudoku

[104 points]

Apply classic sudoku rules. Numbers outside the grid are equal to the sum of the first 3 digits appearing in the corresponding row or column.

13A →

13B →

15 13 11 16 12 20

16 12

15 14

6 22

21 9 7

13

16 13

11 19

17 14 23 8 12 20