





### 1 Classic Sudoku

[37 points]

Place a number from 1-9 in each empty cell in the grid such that each row, column and marked  $3\times3$  box contains each number exactly once.

				2			
	4	5				8	6
1A->			6		3		
	2	6				7	1
				7			
	1	8				9	5
1B -			1		4		
	3	1				2	7
				9			

### 2 Classic Sudoku

[38 points]

Place a number from 1-9 in each empty cell in the grid such that each row, column and marked  $3\times3$  box contains each number exactly once.

	2				5	4	7	8	
					1	8	3	4	
							9		
2A ->		1							
	3	7						2	9
								6	
2B -			4						
		3	9	7	3				
		3	5	6	4				8







### 3 Classic Sudoku

[39 points]

Place a number from 1-9 in each empty cell in the grid such that each row, column and marked  $3\times3$  box contains each number exactly once.

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

### **4 Classic Sudoku**

[40 points]

Place a number from 1-9 in each empty cell in the grid such that each row, column and marked  $3\times3$  box contains each number exactly once.

		7				3		9	
	9	5						3	1
		4			5			6	
	5				2				
4A ->			1				7		
					8				4
4B ->		6			1			4	
	7	1						2	3
		8		9				7	



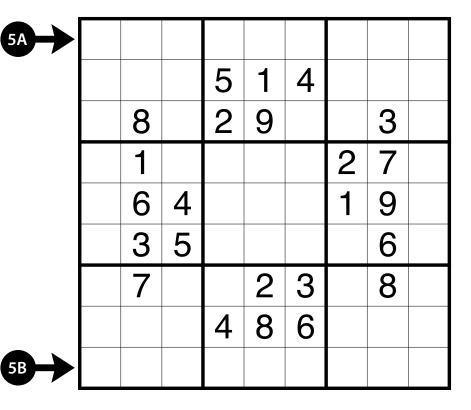




### **5 Classic Sudoku**

[51 points]

Place a number from 1-9 in each empty cell in the grid such that each row, column and marked  $3\times3$  box contains each number exactly once.

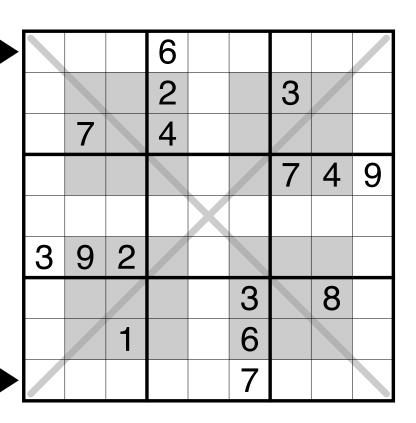


### 6 Diagonal Windoku

[53 points]

Apply classic sudoku rules.

Each of the four shaded  $3\times3$  regions must also contain each number from 1-9 exactly once. Each marked diagonal must also contain each number from 1-9 exactly once.





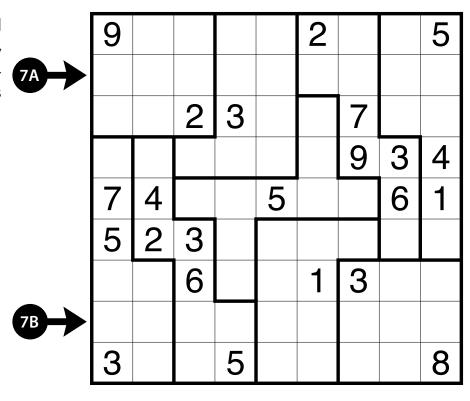




### 7 Irregular Sudoku

[73 points]

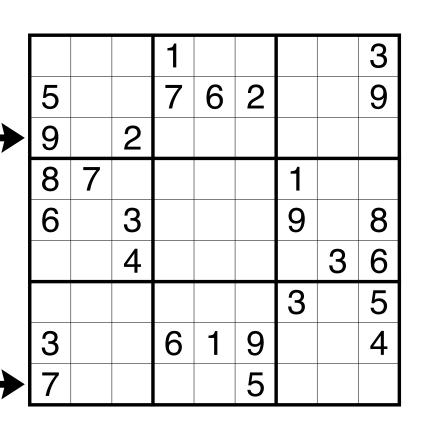
Place a number from 1-9 in each empty cell in the grid such that each row, column and marked 9-cell region contains each number exactly once.



# 8 Symmetric Unequal Sudoku [58 points]

Apply classic sudoku rules.

The numbers placed in any pair of cells related by 180 degree rotational symmetry (e.g. R1C2 and R9C8) must not repeat.





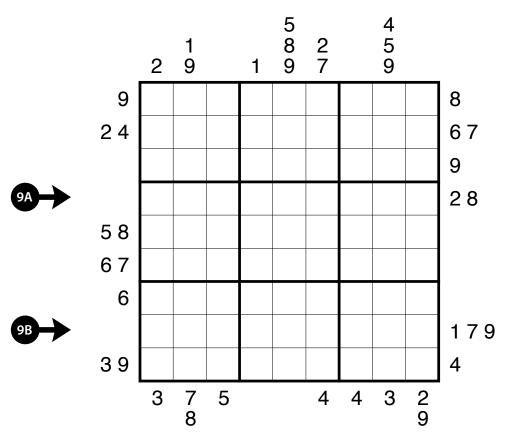




### 9 Outside Sudoku [48 points]

Apply classic sudoku rules.

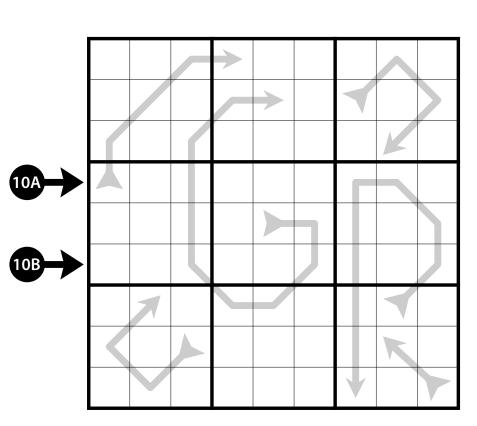
The numbers outside the grid must appear within the first three cells in the corresponding direction.



### 10 Speed-Up Sudoku [44 points]

Apply classic sudoku rules.

A number placed along each directed arrow must be greater than or equal to the previous number along the arrow.





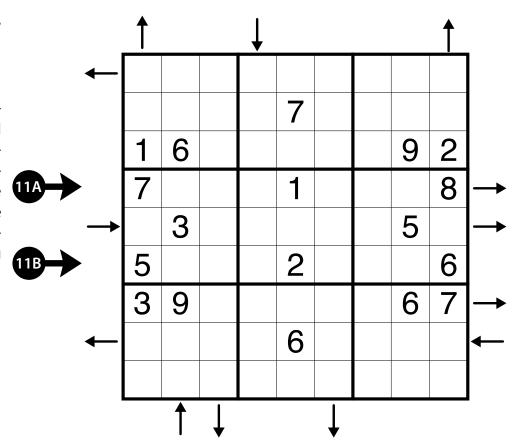




# 11 Rossini Sudoku [57 points]

Apply classic sudoku rules.

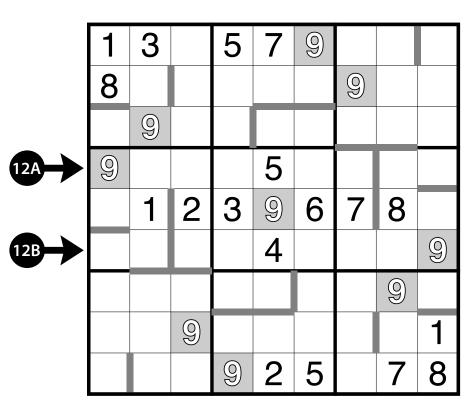
The arrows outside the grid indicate that the numbers placed in the first three cells in the corresponding direction form an increasing sequence in the same direction as the arrow. If there is no arrow, the first three numbers do not form an increasing sequence in either direction.



## 12 Dragon Sudoku [31 points]

Apply classic sudoku rules.

Each 9 in the grid sees exactly 8 other cells in the 4 vertical and horizontal directions before a wall is seen. Numbers placed in each of these sets of 8 cells must not repeat.









### 13 Pandigital Sudoku [31 points]

Apply classic sudoku rules.

The numbers placed in each shaded region must form the given equations when they are read as the corresponding n-digit numbers.

