



WPF
SUDOKU/PUZZLE
GRAND PRIX
2019

WPF SUDOKU GP 2019
INSTRUCTION **BOOKLET**

ROUND 7

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Organised by



WORLD PUZZLE FEDERATION

General Answer Format:

Each Sudoku has two marked rows or columns. You need to submit all digits in the corresponding directions, from left to right or from top to bottom.



In the example, the two answer keys are:

1A: 367594218
1B: 283749165

All puzzles will use digits 1-9 in the submission.



Submission Page:

<http://gp.worldpuzzle.org/content/sudoku-gp>

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

Version:

This is version 1 of the instruction booklet.

Points:

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TOTAL: 600

1-6 Classic Sudoku

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.

Example

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

Solution

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

7 Diagonal Sudoku

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

Example

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

Solution

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



8 Shaken Clones Sudoku

Apply classic sudoku rules. Each shape is cloned, including the digits it contains. Position of digits within the shape may change. A cloned shape may undergo rotation and/or reflection. Digits may repeat in a shape.

Example

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

Solution

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

9 Irregular Sudoku

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.

Example

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

Solution

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

10 Fortress Sudoku

Apply classic sudoku rules. A digit placed in a shaded cell must be strictly greater than digits placed in adjacent unshaded cells.

Example

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

Solution

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

11 Renban Sudoku

Apply classic sudoku rules. Digits placed in each shaded region must form a consecutive, non-repeating set.

Example

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

Solution

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

12 Min-Max Sudoku

Apply classic sudoku rules. Each number outside the grid is the sum of the highest and lowest digit in the first three cells in the corresponding row or column.

Example

	6	11	15	10	8	13	6	9	13	
8										14
10				7						11
13										5
11										12
7				8						10
11										10
7										13
12				9						8
11										9
	15	8	8	8	11	11	15	6	9	

Solution

	6	11	15	10	8	13	6	9	13	
8	2	3	6	8	1	4	5	7	9	14
10	1	4	9	2	7	5	3	6	8	11
13	5	8	7	6	3	9	1	2	4	5
11	7	9	2	3	5	1	4	8	6	12
7	4	6	1	9	8	2	7	3	5	10
11	3	5	8	4	6	7	2	9	1	10
7	6	1	3	5	2	8	9	4	7	13
12	8	7	4	1	9	3	6	5	2	8
11	9	2	5	7	4	6	8	1	3	9
	15	8	8	8	11	11	15	6	9	

13 Diagonally Consecutive Sudoku

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.

Example

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

Solution

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

