



WPF
SUDOKU/PUZZLE
GRAND PRIX
2020

WPF SUDOKU GP 2020
INSTRUCTION BOOKLET

ROUND 2

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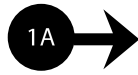
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General Answer Format:

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.

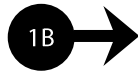


In the example, the two answer keys are:

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:

1	Classic Sudoku	20
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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 3×3 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 Anti-Diagonal Sudoku

Apply classic sudoku rules. Each marked diagonal must contain only 3 different digits.

Example

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

Solution

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

9 Windoku

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

Example

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

Solution

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

10 Anti-Windoku

Apply classic sudoku rules. Each shaded region contains exactly 4 distinct digits.

Example

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

Solution

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

11 Arrow Sudoku

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.

Example

○	→	4	5			2	
↓		○	3			7	○
	8		9	6			
	6		5		↙		
5		↖		6		↘	7
				4		5	
○	↗	4	9		7		↑
○	7			5	○		
1			2	7	←		○

Solution

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

12 Thermo Sudoku

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

Example

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

Solution

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

13 Tic-Tac-Toe Sudoku

Apply classic sudoku rules. The central 3x3 region serves as a map to the 9 regions of the grid (for the example, its top-left cell corresponds to the top-left 3x3 region, and its central cell corresponds to the central 3x3 region). Wherever the central region contains an odd digit, the corresponding region must have three odd digits in at least one line (horizontal, vertical or diagonal). Wherever it contains an even digit, the corresponding region must have three even digits in a line. No region can contain both a line of odd digits and a line of even digits.

Example

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

Solution

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



14 Hidden Clone Sudoku

Apply classic sudoku rules. The shaded region must be at least once cloned somewhere else in the grid, without rotation or reflection and the digits in the corresponding cells must be equal. The clone may overlap partially with the original shaded region, but not completely. Digits may repeat in a shaded region.

Example

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

Solution

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