



WPF  
SUDOKU/PUZZLE  
**GRAND PRIX**  
2019

**WPF SUDOKU GP 2019**  
**INSTRUCTION BOOKLET**

**ROUND 4**

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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, except in puzzle 14 which use letter B too.



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

**Submission Page:**

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

**Version:**

This is version 1 of the instruction booklet.

**Points:**

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TOTAL:

600



**1-5 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

**6 Overlapping Sudoku**

Apply classic sudoku rules. Additionally two grids are overlapping.

**Note: In this puzzle answer keys consist of 10 digits.**

Example

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

Solution

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



**7 Trio Sudoku**

Apply classic sudoku rules. Cells with circles must contain the digits 1, 2 and 3. Cells with squares must contain the digits 4, 5 and 6. Blank cells must contain the digits 7, 8 and 9.

Example

○			□	□	○		○	3	6
□		□			○	○	□	○	
□	○	○	□	○			□		
	8	○	○	□	□	○			□
○	□	□	○	7			○	□	
	□	○		□	○	□	9	○	
○	□	□		○	□	○			
	○		□	○	□	□	○		
5	2		○			□	□	○	

Solution

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

**8 Position Sudoku**

Apply classic sudoku rules. Numbers outside the grid signify the position of the highest of the nearest three digits in the corresponding row/column.

Example

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

Solution

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



**9 Windoku**

Apply classic sudoku rules. Each of the four shaded 3x3 regions 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 X-Sums Sudoku**

Apply classic sudoku rules. The clues outside the grid indicate the sum of the first X digits placed in the corresponding direction, where X is equal to the first digit placed in that direction.

Example

	1	9	12	26	39	41	21	45	19	
1										26
42										11
29										30
37										23
20										40
45										9
17										31
10										1
14										45
	9	21	33	38	1	13	40	6	45	

Solution

	1	9	12	26	39	41	21	45	19	
1	1	2	3	6	7	8	5	9	4	26
42	8	7	4	1	9	5	2	6	3	11
29	6	9	5	2	4	3	1	8	7	30
37	7	6	1	8	2	9	4	3	5	23
20	5	3	2	4	6	7	9	1	8	40
45	9	4	8	5	3	1	6	7	2	9
17	4	1	9	3	8	2	7	5	6	31
10	2	8	7	9	5	6	3	4	1	1
14	3	5	6	7	1	4	8	2	9	45
	9	21	33	38	1	13	40	6	45	



**11 Odd-Even Pairs Sudoku**

Apply classic sudoku rules. Exactly one odd and one even digit must be placed in each marked pair of adjacent cells.

Example

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

Solution

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

**12 Consecutive Sudoku**

Apply classic sudoku rules. In all cases where two neighbouring cells contain consecutive digits, a grey bar is placed between those cells.

Example

				1				
				3				
			9					
			5					

Solution

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



**13 Mastermind Sudoku**

Apply classic sudoku rules. The grey central box serves as an exemplar. The four corner boxes are compared to the central one and the result of comparison is given in the style of a Mastermind puzzle for every triplet of cells. A black dot is given for every identical digit in the same position. A white dot is given for an identical digit but not in the same position. A cross means that there is nothing in common in this triplet.

Example

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

Solution

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

**14 Set Double Block Sudoku**

Apply classic sudoku rules. Blacken exactly two cells in every row, column and outlined box. Fill in the remaining blank cells with digits from a given set so that no digit is repeated in a row, column or outlined box. The sum of all digits between the two black cells is given for some rows and columns.

**Note: In answer keys use letter B for blocks.**

Example {1,3,4,5,6,8,9}

			4					
8		3						5
8							8	
13	9							
15				1				
19								3
8		6						
8	4						9	
					5			

Solution

			8	4	6	5	9	3	1
8	1	3	9		8		4	6	5
8	6	5		3	4	1		8	9
13	9		5	8		3	6	4	1
15	3	4	6		1	5	9		8
19	8	1		4	9	6		5	3
8	5	6	1	9	3		8		4
8	4		3	5		8	1	9	6
			9	8	1	6	4	5	3