



WPF  
SUDOKU/PUZZLE  
**GRAND PRIX**  
2022

**WPF SUDOKU GP 2022**  
INSTRUCTION **BOOKLET**

**ROUND 3**

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Organised by



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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:**

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TOTAL: 600

**1-4 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

**5 Pinocchio Sudoku**

Apply classic sudoku rules. Three digits are written in a different layout. Two of these digits are correct, while the third one is incorrect.

Example

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

Solution

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

### 6 Quadruple Sudoku

Apply classic sudoku rules. At some intersections of two crossing grid lines, a set of four digits is given. These digits must be placed in the four adjacent cells.

Example

		2379						
				1367			2568	
		2456		3467				
		2789			3457 - 1479 - 1289			
								2467
					2378		1569 - 4568	

Solution

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

### 7 Multiplication Table Sudoku

Apply classic sudoku rules. Digits in the second row of the cage (read from left to right) indicate the product of the digits in the first row.

Example

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

Solution

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

### 8 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

### 9 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

### 10 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	

### 11 Unique Ordered Sum Sudoku

Apply classic sudoku rules. There are numbered cages in the grid. All cages are ordered according to the sum of digits in the cage. A cage marked with number 1 has the lowest sum, a cage marked with number 2 has a higher sum than a cage marked with number 1... and so on.

**Note:** It is possible for two or more cages marked with the same number to appear in the grid. That means they have the same sum (not necessary the same digits).

Example

<sup>6</sup>		<sup>7</sup>				3		5
<sup>10</sup>	3		<sup>4</sup>				6	
		9				7		
<sup>8</sup>		<sup>1</sup>			6		5	
4			<sup>11</sup>	5				8
	8		4		<sup>5</sup>		<sup>2</sup>	
		3			<sup>12</sup>	1		<sup>3</sup>
	2						4	
1		7			<sup>9</sup>		<sup>11</sup>	

Solution

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

### 12 Renban Sudoku

Apply classic sudoku rules. Shaded regions must contain a set of distinct, consecutive digits in any order.

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