



WPF  
SUDOKU/PUZZLE  
**GRAND PRIX**  
2022

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

**ROUND 4**

Puzzle authors:

France

Édouard Lebeau

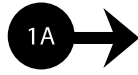
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**General Answer Format:**

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.

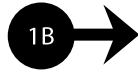


In the example, the two answer keys are:

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

**1-5 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

**6 Diagonal Sudoku**

Apply classic sudoku rules. Every marked diagonal line contains each digit no more than 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



**7 Odd/Even Sudoku**

Apply classic sudoku rules. Digits in circles must be odd and digits in squares must be even.

Example

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

Solution

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

**8 Extra Regions Sudoku**

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

Example

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

Solution

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

### 9 Clone Fortress Sudoku

Apply classic sudoku rules. Digits in the same place in both shaded figures must be identical. A digit placed in a shaded cell must be strictly greater than digits placed in orthogonally adjacent unshaded cells.

Example

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

Solution

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

### 10 Mathrax Sudoku

Apply classic sudoku rules. Some intersections are marked by number and operator (+, -, x, /) in a circle. The number is the result of the operation, applied to both pairs of diagonally opposite cells. An "E" or "O" in the circle indicates that all four adjacent digits are even or odd.

**Note:** A question mark means that the result of the operation is not given and has to be determined as part of the puzzle. A question mark can replace any number (two-digit numbers or non-integer numbers are allowed too).

Example

								?	6+
								E	

Solution

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



**11 Palindrome Sudoku**

Apply classic sudoku rules. Digits along any grey line form a palindrome i.e. they read the same in both directions.

Example

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

Solution

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

**12 Inclusion Sudoku**

Apply classic sudoku rules. Each digit at the intersection of four cells must be present in at least one of those four cells. If a digit is repeated in the clue it must appear twice in the surrounding cells.

Example

2	4		5					
6	8			4				156
			123					
		5				129		
							7	
7					689			4
				123				689
	2							
			477				8	
						288		
			9				1	3
							5	7
				1				

Solution

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

