



WPF
SUDOKU/PUZZLE
GRAND PRIX
2023

WPF SUDOKU GP 2023
INSTRUCTION **BOOKLET**

ROUND 5

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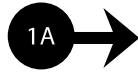
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General Answer Format:

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.

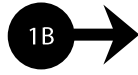


In the example, the two answer keys are:

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:

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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 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

7 Odd Labyrinth Sudoku

Apply classic sudoku rules. Additionally, there must be at least one path from the top left cell to the bottom right cell which passes orthogonally through only odd digits.

Example

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

Solution

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

8 Clone Sudoku

Apply classic sudoku rules. Digits in the same place in each shaded figure must be identical.

Example

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

Solution

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

9 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

10 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

11 Frame Sudoku

Apply classic sudoku rules. Numbers outside the grid are equal to the sum of the first 3 digits appearing in the corresponding row or column.

Example

11			3							23
22				3						14
										8
										21
21				2						
16										22
15						3				11
14							3			
	21	9	15	14				22	11	

Solution

11	2	7	3	4	1	5	6	8	9	23
22	1	6	4	3	8	9	2	5	7	14
	8	9	5	2	6	7	4	1	3	8
	3	1	2	5	7	6	9	4	8	21
21	4	5	9	8	2	1	7	3	6	
16	6	8	7	9	3	4	5	2	1	
15	7	3	6	1	4	2	8	9	5	22
14	5	2	8	7	9	3	1	6	4	11
	9	4	1	6	5	8	3	7	2	
	21	9	15	14				22	11	

12 Rossini Sudoku

Apply classic sudoku rules. The arrows outside the grid indicate that the first three digits are in ascending or descending order (the highest digit is at the point of the arrow). If there is no arrow outside, the first three digits cannot be in either ascending or descending order.

Note: The answer key arrows are presented in a way that is clearly different to the Rossini arrows. They have no impact on solving and are just to mark rows/columns for submission.

Example

→			4							→
→										→
→					9					→
			3							→
→										→
→					8					→
			2							→
→										→
→						7				→
	↑	↑							↑	

Solution

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

13 Nine Pins Sudoku

Apply classic sudoku rules. For each number 1-9, there must be at least one set of three identical digits in a straight line of adjacent cells somewhere in the grid.

Example

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

Solution

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