



WPF  
SUDOKU/PUZZLE  
**GRAND PRIX**  
2024

**WPF SUDOKU GP 2024**  
INSTRUCTION **BOOKLET**

**ROUND 5**

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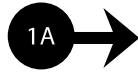
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**General Answer Format:**

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.

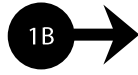


In the example, the two answer keys are:

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: 660

**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 Overlapping Sudoku**

Apply classic sudoku rules. Additionally two grids are overlapping.

**Note:** In this puzzle answer key may consist of 9 or 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

**6 Diagonal Sudoku**

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 Quadro Sudoku**

Apply classic sudoku rules. No 2x2 square can only contain odd or even digits.

Example

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

Solution

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

**8 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

**9 Scattered Sudoku**

Place a digit from 1-9 in each empty cell in the grid such that each row, column, marked 9-cell region and nine shaded cells contains each digit exactly once.

Example

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

Solution

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

### 10 Greater Than Killer Sudoku

Apply classic sudoku rules. All equality and inequality signs relate to the sums of killer cages. Some of the cages have no sum value attached. Digits must not repeat in cages.

Example

6 >			6		14			
			5	9		<	<	^
	8		=			1		14
	8	^				5	14	^
							6	
		21						
5			3	11		<	>	
			8					
=								

Solution

6 5 >	2	3	8	6	7	14 1	4	9	
1	9	4	2	5	9 3	6	<	7 <	8
8	7	6	4	9	1	2	3	5	
6	8 3	5	9	= 7	8	4	1	2	
4	8	7	1	2	= 6	9	5	14 3	
9	1	2	3	4	5	8	6	7	
7	5	21 9	6	1	2	3	8	4	
5 2	6	8	5	3	11 4	7	<	9 >	1
3	= 4	1	7	8	9	5	2	6	

### 11 Faded Kropki Sudoku

Apply classic sudoku rules. Adjacent cells containing digits whose difference is 1 are marked with a white circle. Adjacent cells containing digits whose ratio is 2 are marked with a white circle too. Adjacent cells with no marking must not contain digits either whose difference is 1 or whose ratio is 2.

Example

			5			3		
	3		7					

Solution

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

### 12 Clock Faces Sudoku

Apply classic sudoku rules. Four digits around a white circle are placed in an increasing order starting from one of the four cells and going clockwise. Four digits around a black circle are placed in an increasing order starting from one of the four cells and going anti-clockwise. **All possible circles** are marked.

Example

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

Solution

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

### 13 Czech Outsider Sudoku

Apply classic sudoku rules. There are some numbers with the arrows outside the grid. Each of these numbers must appear on the diagonal given by the arrow. If the same number is given multiple times for an arrow, it must appear at least as many times as it is given.

Example


Arrows and numbers: Top (5, 68, 27, 36, 3, 567), Left (9, 2, 6, 2, 7), Right (4, 37, 28, 3, 8, 237, 7), Bottom (14, 16, 167, 8, 2)

Solution

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

Arrows and numbers: Top (5, 68, 27, 36, 3, 567), Left (9, 2, 6, 2, 7), Right (4, 37, 28, 3, 8, 237, 7), Bottom (14, 16, 167, 8, 2)