



WPF
SUDOKU/PUZZLE
GRAND PRIX
2017

WPF SUDOKU GP 2017
INSTRUCTION **BOOKLET**

ROUND 4

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Organised by



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.

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

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

**1-6 Classic Sudoku**

Place a number from 1-9 in each empty cell in the grid such that each row, column and marked 3x3 box contains each number 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

7 Diagonal Sudoku

Apply classic sudoku rules. Each marked diagonal must also contain each number 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



8 Antidiagonal Sudoku

Apply classic sudoku rules. Each marked diagonal must contain exactly three different numbers.

Example

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

Solution

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

9 Windoku

Apply classic sudoku rules. Each of the four shaded 3x3 regions must also contain each number 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 Antiknight Sudoku**

Apply classic sudoku rules. Numbers placed in cells related by a chess Knight's move must be different.

Example

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

Solution

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

11 Disjoint Groups Sudoku

Apply classic sudoku rules. Each number appears exactly once in each of the nine positions in 3x3 square.

Example

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

Solution

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



12 Irregular Sudoku

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

Example

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

Solution

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

13 Renban Killer Sudoku

Apply classic sudoku rules. Each outlined cage must contain a set of distinct digits with the specified digit sum. All remaining digits squares form contiguous blocks of shaded cells and each block must contain a set of consecutive digits.

Example

22					11	16		
	16			18		10		
			5					
10		11			3			
						15		
		13			8		8	
		17	14			21		6
			10					
16								

Solution

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



14 Cloned Strands Sudoku

Apply classic sudoku rules. Each strand must have exactly the same sequence of digits. A digit can appear more than once on a single strand.

Example

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

Solution

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

15 Total Blackout Sudoku

Complete the grid so that each row, column and 3x3 box contains 8 distinct digits in the range 1-9. The digits in the cells orthogonally adjacent to each black square must give an identical total sum.

Note: Only in this puzzle the answer keys consists of 8 numbers (ignore black squares when submitting).

Example

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

Solution

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