



WPF
SUDOKU/PUZZLE
GRAND PRIX
2017

WPF SUDOKU GP 2017
INSTRUCTION **BOOKLET**

ROUND 2

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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:

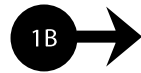
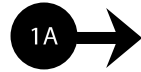
This is version 1 of the instruction booklet.

Points:

1	Classic Sudoku	21
2	Classic Sudoku	17
3	Classic Sudoku	28
4	Classic Sudoku	20
5	Classic Sudoku	41
6	Diagonal Sudoku	72
7	Figures Sudoku	66
8	Fortress Sudoku	58
9	Renban Sudoku	64
10	Thermo Sudoku	36
11	Killer Sudoku	84
12	Odd-Even Pairs Sudoku	56
13	Almost Palindrome Sudoku	37

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

**1-5 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

6 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



7 Figures Sudoku

Apply classic sudoku rules. Dotted areas with the same shape must contain the same set of digits (but not necessarily in the same order). A digit may be repeated in area.

Example

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

Solution

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

8 Fortress Sudoku

Apply classic sudoku rules. A number placed in a shaded cell must be strictly greater than numbers placed in adjacent unshaded cells.

Example

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

Solution

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



9 Renban Sudoku

Apply classic sudoku rules. The numbers placed in each shaded region must form a consecutive, non-repeating set.

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

10 Thermo Sudoku

Apply classic sudoku rules. Starting at the "bulb", numbers placed along each marked thermometer must form a strictly increasing sequence.

Example

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

Solution

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

11 Killer Sudoku

Apply classic sudoku rules. The numbers placed in each marked cage must sum to the total given in its top-left. Numbers must not repeat in cages.

16				12				17
		29						
23						27		
								2
			4	2				10
2	12							
					10			
9								
		7						14

16	7	9	4	3	5	6	1	2	8	
	1	3	29	5	7	2	8	6	4	9
23	6	2	8	9	1	4	25	7	3	
	8	4	7	1	3	5	9	6	2	
	9	5	6	4	8	2	7	3	10	1
	2	12	1	3	6	9	7	8	5	4
	3	6	2	8	7	10	1	4	9	5
9	4	8	9	5	6	3	2	1	7	
	5	7	1	2	4	9	3	8	6	

12 Odd-Even Pairs Sudoku

Apply classic sudoku rules. Exactly one odd and one even number must be placed in each marked pair of adjacent cells.

Example

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

Solution

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



13 Almost Palindrome Sudoku

Apply classic sudoku rules. Numbers formed by the digits on the gray lines are "almost palindromes", i.e. they can be read equally in both directions except for exactly one couple of cells that do not match on each line.

Example

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

Solution

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