



WPF  
SUDOKU/PUZZLE  
**GRAND PRIX**  
2017

**WPF SUDOKU GP 2017**  
INSTRUCTION **BOOKLET**

**ROUND 5**

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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 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 Queen Sudoku

Apply classic sudoku rules. All digits 9 represent chess Queens. These Queens can not attack each other.

Example

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

Solution

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

### 10 Battenburg Sudoku

Apply classic sudoku rules. Everywhere 2 odd and 2 even digits form a 2x2 chessboard pattern, a Battenburg marking is given.

Example

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

Solution

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

### 11 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

**12 Sum 10 Twin Sudoku**

Apply classic sudoku rules. The sum of the numbers placed in corresponding cells in two regions of the same shape must equal 10.

Example

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

Solution

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

**13 Chess Kings Sudoku**

Apply classic sudoku rules. Two numbers are white and black chess Kings. As in real chess, Kings can not touch other Kings, not even diagonally, even if they are not in opposite color. It is a part of solving to find which numbers are chess Kings.

Example

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

Solution

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

= 1,5

**14 Unicorn Sudoku**

Apply classic sudoku rules. Chess Knights, placed in cells with number 9, must attack only different numbers.

Example

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

Solution

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