



WPF  
SUDOKU/PUZZLE  
**GRAND PRIX**  
2017

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

**ROUND 8**

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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.



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

**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



**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 Consecutive Sudoku**

Apply classic sudoku rules. Adjacent cells containing consecutive numbers are marked. Adjacent cells with no marking must not contain consecutive numbers.

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



### 7 Non-Consecutive Sudoku

Apply classic sudoku rules. Numbers placed in adjacent cells must not be consecutive.

Example

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

Solution

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

### 8 Kropki Sudoku

Apply classic sudoku rules. Adjacent cells containing consecutive numbers are marked with a white dot. Adjacent cells containing numbers whose ratio is 2 are marked with a black dot. Adjacent cells with no marking must not contain numbers that are either consecutive or whose ratio is 2.

Example

			○	●				○
●					○			○
	●		●			○		
		○	○	●			○	●
○			○	○	●		○	●
●				○	○		○	
	○			○	○	○	○	
		○		○	○		○	○

Solution

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



**9 Parity Sudoku**

Apply classic sudoku rules. All numbers placed in the cells belonging to the same line must be of the same parity.

Example

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

Solution

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

**10 Outside Sudoku**

Apply classic sudoku rules. The numbers outside the grid must appear within the first three cells in the corresponding direction.

Example

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

Solution

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



**11 Outside Greater Than Sudoku**

Apply classic sudoku rules. The signs outside the grid indicate how many inequality signs should be placed between neighbouring cells in corresponding direction.

Example

		5	4	4	3	4	3	4	2	8	v
>	<	3	4	4	5	4	5	4	6	0	^
4	4										
4	4		1				4				
5	3			2					3		
3	5				3					2	
4	4					4					
5	3		7				5				
6	2			8					6		
5	3				9					7	
1	7										

Solution

		5	4	4	3	4	3	4	2	8	v
>	<	3	4	4	5	4	5	4	6	0	^
4	4	8	6	7	1	3	2	5	4	9	
4	4	9	1	3	7	5	4	2	6	8	
5	3	5	4	2	8	9	6	3	1	7	
3	5	4	8	5	3	7	9	1	2	6	
4	4	1	2	9	6	4	8	7	3	5	
5	3	3	7	6	2	1	5	9	8	4	
6	2	7	9	8	4	2	1	6	5	3	
5	3	6	5	1	9	8	3	4	7	2	
1	7	2	3	4	5	6	7	8	9	1	

**12 Tens Position Products Sudoku**

Apply classic sudoku rules. Number between a pair of adjacent cell indicates the number in the tens position of the product of the numbers placed in these cells (e.g. if 3 and 4 are placed in the cells, their product is 12 and the clue would be 1).

Example

	3	3				2	4
		7	2	6	3	2	
	0		0	5	2		6
9		4			0	1	3
	0			5			2
4		2		1		3	
	1		2	1	3		2
		0	3		9	4	
	2	9		4		1	3

Solution

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



**13 Extra Space Sudoku**

Place a number from 1-9 in each empty cell in the grid such that each row, column and marked box contains each number exactly once. The grey cells will not contain numbers.

**Note:** The original size of this puzzle is on the next page.

Example

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

Solution

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

**13 Extra Space Sudoku**

Example

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