



WPF
SUDOKU/PUZZLE
GRAND PRIX
2015

WPF SUDOKU GP 2015 INSTRUCTION **BOOKLET**

ROUND **4**

Puzzle authors:

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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.

All puzzles will use digits 1-9 in the submission.

Examples: These examples are a mix of sudoku from Jan Mrozowski and from past Sudoku GP rounds.

Submission Page: <http://gp.worldpuzzle.org/content/sudoku-gp>

This is version 1 of these instructions.

Points:

1	Classic Sudoku	15
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4	Classic Sudoku	40
5	Classic Sudoku	65
6	Windoku	40
7	No Touch Sudoku	65
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9	Diagonal Sudoku	75
10	Roman Numeral Sudoku	75
11	Between Sudoku	55
12	Sukaku	55

TOTAL: 600

**1-5 Classic Sudoku**

Place a digit from 1 to 9 in each empty cell so that each digit appears exactly once in every row, column, and outlined 3×3 region.

Example

		1	8		2	4		
1A →		6			9		1	
	8							9
	1			9	8	5		6
		4		3		7		8
	9			4	2	6		1
1B →	7							4
		8			4			6
			6	2		8	3	

Solution

	5	9	1	8	6	2	4	7	3
1A →	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
1B →	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 Windoku

Apply Classic Sudoku rules. Additionally, digits do not repeat within the four shaded 3×3 regions.

Example

				5				3
6A →				4		6		
			3			7		
	2			4			8	
	1			2		5		9
	9			1			5	
6B →			1			9		
				8		1		
	4				6			

Solution

	2	4	6	1	5	7	8	9	3
6A →	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
6B →	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

**7 No Touch Sudoku**

Apply Classic Sudoku rules. Additionally, cells touching diagonally cannot contain the same digit.

Example

	6		7		1		4	
7A →	4			6				1
			4		9			
	6		7				3	9
		1					7	
	8		3				5	4
				1		8		
7B →	1				4			2
		7		2		6		3

Solution

	5	6	9	7	8	1	2	4	3
7A →	4	2	8	5	6	3	7	9	1
	7	3	1	4	2	9	6	8	5
	6	4	7	8	1	5	3	2	9
	2	1	5	9	3	4	8	7	6
	8	9	3	6	7	2	5	1	4
	3	5	2	1	9	8	4	6	7
7B →	1	8	6	3	4	7	9	5	2
	9	7	4	2	5	6	1	3	8

8 Irregular Sudoku

Place a digit from 1 to 9 in each empty cell so that each digit appears exactly once in every row, column, and outlined region.

Example

	2			9		1			8
8A →		7			3			5	
			3				2		
	9			7		3			2
		3						7	
	5			4		8			9
			4				8		
8B →		8			6			4	
	3			8		9			5

Solution

	2	4	5	9	7	1	6	3	8
8A →	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
8B →	1	8	2	3	6	5	9	4	7
	3	6	1	8	4	9	7	2	5

9 Diagonal Sudoku

Apply Classic Sudoku rules. Additionally, each digit appears exactly once in the two main diagonals.

Example

9A →				6	9	8		
		4	3		1	6		
	6	3				2	1	
	5						8	
	2	8				3	4	
9B →		9	5		3	1		
			2	8	6			

Solution

9A →	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
9B →	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

10 Roman Numeral Sudoku

Apply Classic Sudoku rules. Instead of clues for the digits 1 to 9, this sudoku gives clues for Roman numerals I, II, III, IV, V, VI, VII, VIII, IX. Not all clues are complete numbers; some of them may be just part of the Roman numeral. (Note for answer entry: use digits 1 to 9 when submitting the answer rows.)

Example

	V	VI		V	V		III		II
10A →		VI		VI	I	III		VII	I
		X		VI					I
	II			I	V	II		VII	
	I			VI	V		V		VI
	V	II				IV			
10B →		V		VII			V	V	V
	VIII			I	IX			V	
				V	II		II		VII

Solution

10A →	8	6	1	5	4	9	3	2	7
	4	7	5	6	2	3	9	8	1
	2	3	9	1	8	7	6	5	4
	1	2	4	3	6	8	5	7	9
	3	9	8	7	5	2	4	1	6
	6	5	7	9	1	4	8	3	2
10B →	9	4	2	8	3	1	7	6	5
	7	8	6	2	9	5	1	4	3
	5	1	3	4	7	6	2	9	8

**11 Between Sudoku**

Apply Classic Sudoku rules. Additionally, for any pair of givens in the same row or column with only blank cells between them, the blank cells must contain digits between the values of the given digits. (For example, if there is a single cell between the given digits 1 and 5 in the same column, that cell can only contain a number from {2, 3, 4}.)

Example

				6		2		
11A →		3		5				
						8		3
	9				1			5
11B →	6		2					
					5		1	
			7		9			

Solution

11A →	5	7	8	9	6	3	2	4	1
	1	3	4	5	2	8	6	9	7
	2	6	9	1	4	7	8	5	3
	3	2	1	6	5	9	7	8	4
	9	8	6	7	1	4	3	2	5
	7	4	5	3	8	2	1	6	9
11B →	6	5	2	4	3	1	9	7	8
	8	9	3	2	7	5	4	1	6
	4	1	7	8	9	6	5	3	2

12 Sukaku

Apply Classic Sudoku rules. Additionally, the grid must be divided into some rectangles with each rectangle containing exactly one shaded cell and each cell in the grid belonging to exactly one rectangle. The digit in each shaded cell must indicate the area of the rectangle it is part of. Digits cannot repeat within a rectangle.

Example

				9	2	8		
12A →		8						2
			5				1	
				1		7		
		3					8	
	4				5			9
12B →		3	2				7	8
		7						6
	9							3

Solution

12A →	4	1	6	9	2	8	3	5	7
	3	8	7	4	1	5	6	2	9
	2	9	5	7	6	3	1	4	8
	6	2	9	1	8	7	4	3	5
	1	5	3	2	4	9	8	7	6
	7	4	8	3	5	6	2	9	1
12B →	5	3	2	6	9	1	7	8	4
	8	7	1	5	3	4	9	6	2
	9	6	4	8	7	2	5	1	3