WPF SUDOKU/PUZZLE GRAND PRIX 2017

WPF SUDOKU GP 2017 INSTRUCTION BOOKLET

ROUND 3

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Organised by

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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	15
2	Classic Sudoku	12
3	Classic Sudoku	12
4	Classic Sudoku	10
5	Classic Sudoku	54
6	Overlapping Sudoku	44
7	Diagonal Sudoku	47
8	Odd Sudoku	21
9	Nonconsecutive Sudoku	68
10	Fortress Sudoku	58
11	Mathdoku	77
12	Pointing Differents Sudoku	60
13	Fuzzy Arrows Sudoku	58
14	Lonely Number Sudoku	64
	TOTAL:	600

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1-5 Classic Sudoku

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

Example

Solution

6 Overlapping Sudoku

Apply classic sudoku rules. Additionally two grids are overlapping.

Note: Only in this puzzle answer keys consists of 10 numbers.

Example

Solution

7 Diagonal Sudoku

Apply classic sudoku rules. Each marked diagonal must also contain each number from 1-9 exactly once.

Example

Solution

8 Odd Sudoku

Apply classic sudoku rules. Numbers placed in shaded cells must be odd.

Example

Solution

9 Nonconsecutive 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

10 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

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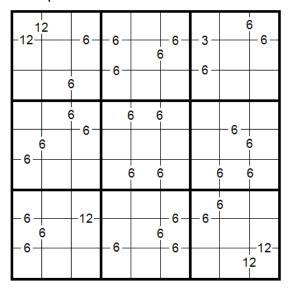2017

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11 Mathdoku

Apply classic sudoku rules. In a box 4 results of 4 mathematical operations are given, one of them is sum, one is difference, one is multiple and one is division of the two neighbouring digits.
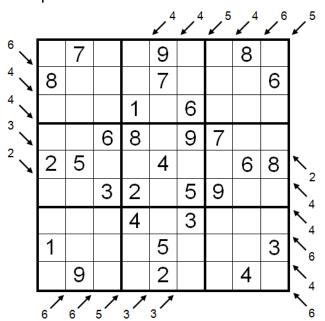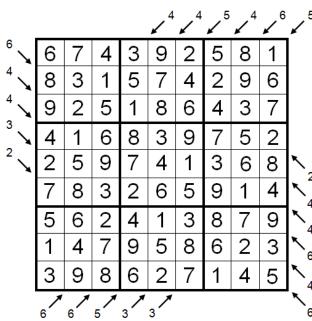
Example

Solution

12 Pointing Differents Sudoku

Apply classic sudoku rules. Numbers outside the grid indicate the number of different numbers placed in the cells in the corresponding diagonal direction.

Example

Solution

13 Fuzzy Arrows Sudoku

Apply classic sudoku rules. Exactly one circle should be added on each grey line. One or two arrows should be drawn at all loose ends of each grey line then. Finally solve standard arrows sudoku. A number placed in a cell with a circle must be the sum of the numbers placed in cells the adjoining arrow passes through. Numbers may repeat on arrows.

Example

Solution

14 Lonely Number Sudoku

Apply classic sudoku rules. There are 80 numbers in the grid that fulfill a following condition: each of these happy numbers has a consecutive friend in a cell sharing an edge with it. There is exactly one lonely number in the grid that doesn't have a consecutive friend next to it.

Example

Solution