WPF SUDOKU/PUZZLE GRAND PRIX 2014

WPF SUDOKU GP 2014
INSTRUCTION BOOKLET

ROUND 6

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Organised by

WORLD PUZZLE FEDERATION

WPF SUDOKU GP

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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.

All puzzles will use digits 1-9 in the submission, with one exception:
12 - 3D Sudoku uses the digits 1-8.

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

This is version 2 of these instructions. Final point values have been added below. No other changes have been made since version 1 of the instructions.

Points:

1	Classic Sudoku	18
2	Classic Sudoku	20
3	Classic Sudoku	22
4	Classic Sudoku	24
5	Classic Sudoku	26
6	Classic Sudoku	28
7	Fortress Sudoku	35
8	Irregular Sudoku	60
9	Extra Region Sudoku	47
10	Killer Sudoku	60
11	Outside Sums Sudoku	72
12	3D Sudoku	21
13	Parquet Sudoku	35
14	Product Arrow Sudoku	72
15	Roman Numeral Sudoku	60

TOTAL: **600**

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1-6 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

Solution

7 Fortress Sudoku

Apply Classic Sudoku rules. Additionally, each digit in a shaded cell must be larger than any digit in an unshaded cell that it shares an edge with.

Example

Solution

8 Irregular Sudoku

Apply Classic Sudoku rules. Additionally, instead of 3×3 regions, the regions have irregular shapes.

Example

8A →
8B →

Solution

8A →

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

8B →

9 Extra Region Sudoku

Apply Classic Sudoku rules. Additionally, each digit appears exactly once in each of the extra shaded regions.

Example

9A →
9B →

Solution

9A →

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

9B →

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10 Killer Sudoku

Apply Classic Sudoku rules. Additionally, the sum of the digits in each cage must equal the value given in the upper-left corner of that cage. Digits cannot repeat inside a cage.

Example

10A

10B

Solution

10A

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

10B

11 Outside Sums Sudoku

Apply Classic Sudoku rules. Additionally, the clues outside the grid indicate the sum of the first three digits in that direction. (For instance, the 18 on the left of row 1 in the example below means the cells in row 1 in columns 1, 2, and 3 add up to 18.)

Example

	15	17	13	18	8	19	18	6	21	
18										14
9										20
18			3				4			11
20										12
18					5					17
7										16
13			4				5			20
17										14
15										11
	13	15	17	12	21	12	14	21	10	

11A

11B

Solution

	15	17	13	18	8	19	18	6	21	
18	5	4	9	2	3	8	6	1	7	14
9	2	6	1	7	4	5	8	3	9	20
18	8	7	3	9	1	6	4	2	5	11
20	6	9	5	8	2	3	1	7	4	12
18	7	3	8	1	5	4	9	6	2	17
7	4	1	2	6	9	7	3	5	8	16
13	1	8	4	3	7	2	5	9	6	20
17	9	2	6	5	8	1	7	4	3	14
15	3	5	7	4	6	9	2	8	1	11
	13	15	17	12	21	12	14	21	10	

11A

11B

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12 3D Sudoku

Place a digit from 1 to 8 into each empty cell so that each digit appears exactly once in every "row" and outlined region. Rows pass through opposite parallel sides of each quadrilateral; in other words, the rows bend across the surface of the apparent cube. (Be careful with the arrows for entry; the key here is "41825367,24618735".)
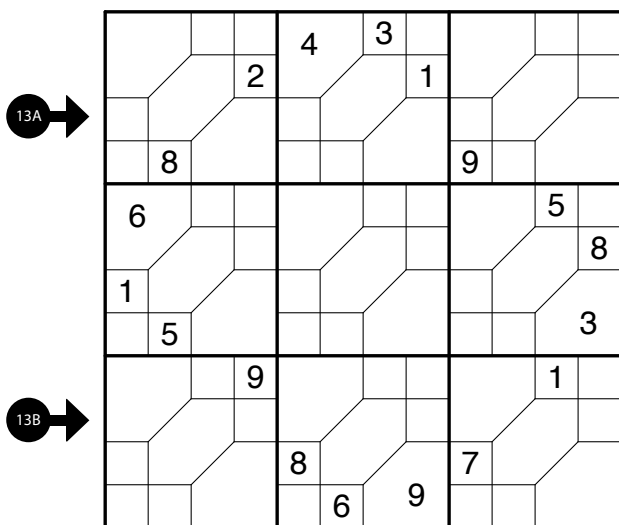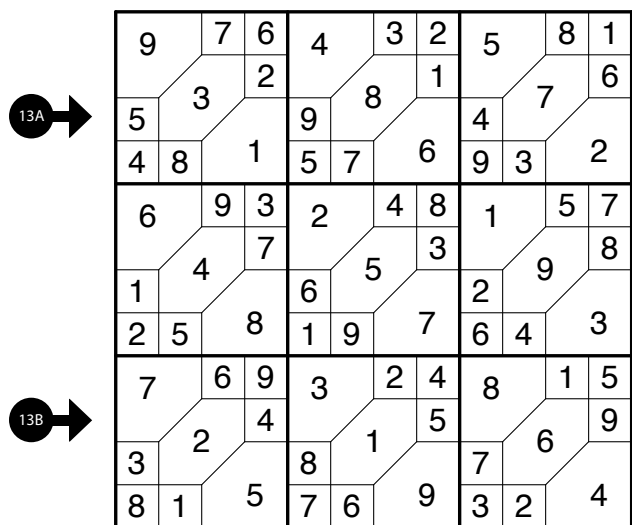
Example
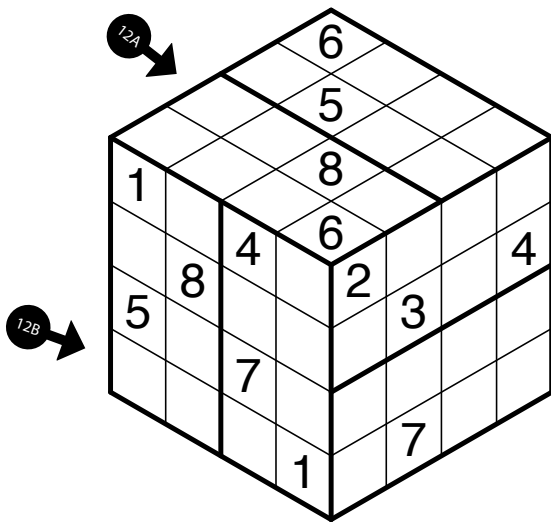
Solution
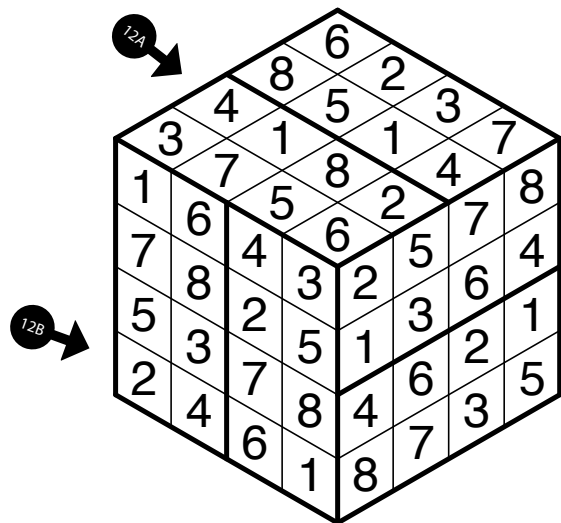
13 Parquet Sudoku

Apply Classic Sudoku rules. Additionally, some cells belong to multiple rows and/or columns.

Example

Solution

14 Product Arrow Sudoku

Apply Classic Sudoku rules. Additionally, some arrows are in the grid. The encircled 1, 2, or more digits must be equal to the product of the digits that appear along the path of the arrow. Digits can repeat within an arrow shape.

Example

Solution

15 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

Solution