

# WPF SUDOKU GP 2015 COMPETITION BOOKLET



Puzzle authors:
Russia
Andrey Bogdanov

Organised by









#### 1 Classic Sudoku (20 points)

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.



|--|

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



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.



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









#### 3 Classic Sudoku (25 points)

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.

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

# 4 Classic Sudoku (30 points)

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.

_									
		2						7	8
	4		3		5			တ	6
4A		8							
						6	2		
		4			1			റ	
4B-				8					9
				4					3
	9	3			6			8	
	2	3 5				1	6		







#### 5 Classic Sudoku (35 points)

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.

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

#### 6 Classic Sudoku (60 points)

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.

_									
			5	6		2	8		
6A -		8						5	
	9		6	5		1	4		2
	2		8	4		3	5		7
6B-					9				
	5		7	1		8	3		4
	8		9	3		7	2		5
		5						8	
			1	8		9	7		







### 7 Nonconsecutive Sudoku (40 points)

Apply Classic Sudoku rules. Additionally, cells sharing an edge cannot contain digits differing by 1.

		7				2		
	6		2		3		5	
		6		2		5		
7A			6		5			
		8		<b>—</b>		7		
	8		9		4		7	
		9				4		
7B								

#### 8 Before 9 Sudoku (40 points)

Apply Classic Sudoku rules. Additionally, the clues outside the grid show the sum of the digits that appear before 9 in the corresponding row or column.

	5	22	32	17	8	25	19	36	
36									
10		3						6	
8					7				
2									
24					1				
26									
14		6						2	
28									







#### 9 Diagonal Sudoku (70 points)

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



	7	1				9	3	
	5		4		6		7	
		4				3		
9				,*(				5
		2				8		
	6		9		3		8	
	9	7				2	6	

#### 10 No Touch Sudoku (70 points)

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



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









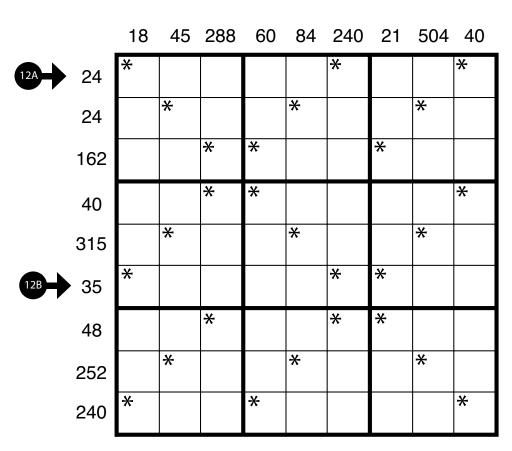
## 11 Even Passage Sudoku (45 points)

Apply Classic Sudoku rules. Additionally, there must be an orthogonally-connected path of cells containing even digits that travels from the (shaded) top left corner of the grid to the (shaded) bottom right corner.

	2		7				1		
	1								5
				1		4			
		3			5			4	
				2		8			
11A		2			က			7	
11B				9		3			
	7								3
			9				4		2

#### 12 Star Product Sudoku (55 points)

Apply Classic Sudoku rules. Additionally, the clues outside the grid indicate the product of the digits placed in the cells containing stars in the corresponding row or column.



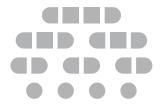






#### 13 Battleships Sudoku (90 points)

Apply Classic Sudoku rules. Additionally, place the given set of battleships into the grid; ships cannot touch even diagonally. The clues outside the grid indicate the sum of the digits occupied by ships in the corresponding row or column.



	7	5	11	9	5	25	2	33	11
17	6								4
3A 3									
10				2		1			
7			1				9		
32									
5			8				2		
3				1		4			
25									
3B 6	9								1