

WPF SUDOKU GP 2015 COMPETITION BOOKLET



Puzzle authors: United Kingdom David McNeill

Javid McNeill Tom Collyer Gareth Moore James McGowan

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.

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

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







3 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.

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

4 Classic Sudoku (45 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.

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







5 Classic Sudoku (45 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.

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

6 Windoku (45 points)

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









7 Anti-Knight Sudoku (40 points)

Apply Classic Sudoku rules. Additionally, no two identical digits can be a chess knight's move away from each other (as shown in the diagram below).

	×		×	
x				×
		1		
×				×
	×		×	

				1	4	9	6
			2			З	1
7 A→							2
		3			6		
7₿→				5			
			4			7	
	8						
	2	1			8		
	6	7	3	9			

8 Diagonal Sudoku (50 points)

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







9 Consecutive Pairs Sudoku (45 points)

WPF SUDOKU GP

ROUND

Apply Classic Sudoku rules. Additionally, if a grey circle is given between two adjacent cells, then the two numbers in those cells must be consecutive. (Note: not all grey circles are given; adjacent cells without a circle may contain either consecutive numbers or nonconsecutive numbers.)



10 Killer Sudoku (40 points)

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

		9	10	23					
							7	24	6
		9		20					
					7	22		15	
		21	10	3		4			
					9	19	6		
10B	12		17						
	2				19		18		
								9	







11 Renban Sudoku (60 points)

Apply Classic Sudoku rules. Additionally, each grey region contains a set of consecutive digits, with no constraint on the order of the digits.

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

12 Renban Killer Sudoku (80 points)

Apply Classic Sudoku rules. Additionally, as in Renban Sudoku, each grey region contains a set of consecutive digits, with no constraint on the order of the digits. Additionally, as in Killer Sudoku, 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.

12A	22					11	16		
		16			18		10		
				5		<u></u>			
	10	·	11		·	3	·		
12B	. <u></u>			. <u></u> ;		<u>.</u>	15		
		<u>.</u>	13			8		8	
			17	14			21		6
		,	,	10					
	16								







13 Disparity Sudoku (70 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 region. In addition, neighboring cells in different regions (i.e., across the bold borders) must be of opposite parity.

13A							
				8	7		
							1
							2
			2	5	1		
	9						
	1						
			9	4			
13B							