



WPF  
SUDOKU/PUZZLE  
**GRAND PRIX**  
2015

# WPF SUDOKU GP 2015 COMPETITION BOOKLET

## ROUND 6

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Organised by



WORLD PUZZLE FEDERATION

**1 Classic Sudoku****(15 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.

1A →

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

1B →

**2 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.

2A →

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

2B →

**3 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.

3A →

3B →

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

**4 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.

4A →

4B →

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

**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.

5A →

5B →

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

**6 Double Doku****(50 points)**

Apply Classic Sudoku rules. Additionally, there are two overlapping classic sudoku grids, and both must have valid solutions.

6A →

6B →

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

**7 Renban Group Sudoku****(45 points)**

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

7A →

7B →

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

**8 Irregular 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 region.

8A →

8B →

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



### 9 Nonconsecutive Sudoku (45 points)

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

9A →

9B →

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

### 10 Extra Region Sudoku (50 points)

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

10A →

10B →

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

**11 XV Sudoku****(65 points)**

Apply Classic Sudoku rules. Additionally, if an X is given between two adjacent cells, the digits in those cells sum to 10. If a V is given between two adjacent cells, the digits in those cells sum to 5. If an X or V is not given, the two digits cannot sum to 5 or 10.

11A →

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

11B →

**12 Little Killer Sudoku****(65 points)**

Apply Classic Sudoku rules. Additionally, some numbered arrows outside the grid indicate the sum of the digits along that diagonal path. (Digits can repeat along a diagonal sum.)

12A →

11 ↘

12B →

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

21 ↙

19 ↙

20 ↗

**13 Pyramidal Sudoku****(30 points)**

Apply Classic Sudoku rules. Additionally, there are some pyramids in the grid made out of grey cells. For each row above the base of the pyramid, each grey cell must equal either the sum or the difference of the two grey cells diagonally beneath it.

13A →

13B →

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

**14 Skyscraper Sudoku****(80 points)**

Apply Classic Sudoku rules. Additionally, each number in the grid represents the height of a building and the clues on the outside of the grid indicate how many buildings can be "seen" when looking from that direction. Taller buildings block the view of smaller buildings. (Forexample, if a row contained the numbers 169782354, then three buildings are seen from the left – 1, 6, and 9 – and four buildings from the right – 4, 5, 8, and 9.)

14A →

14B →

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