



# September Sudoku Contest

@ LMI

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## 1. OFFSET SUDOKU 20 pt

Fill the grid with digits from 1 to 9. Digits must be different in rows, columns and the nine marked 3 x 3 areas.

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

## 2. OFFSET SUDOKU 28 pt

Fill the grid with digits from 1 to 9. Digits must be different in rows, columns and the nine marked 3 x 3 areas.

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

**3. OFFSET SUDOKU** 33 pt

Fill the grid with digits from 1 to 9. Digits must be different in rows, columns and the nine marked 3 x 3 areas.

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

**4. MOSAIC SUDOKU** 19 pt

Fill the grid with digits from 1 to 9. Digits must be different in rows, columns and outlined areas.

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

5. DRAW SUDOKU

68 pt

Blacken some cells in the grid. Numbers outside the grid show the lengths of all black blocks in corresponding directions, in the correct order. There should be at least one white cell between two black blocks. The sign "?" means any positive number. Each outlined 3 x 2 area should have exactly one white cell and all digits in white cells should satisfy Sudoku rules: rows and columns, formed by six 3 x 2 areas, and six outlined green areas should have each digit from 1 to 6 exactly once.

	?	6	?	6	?	6	6	?	?	?	?	?	?	4	
?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6
→	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6
→	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6
???	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6

6. LOVESUDOKU

43 pt

Fill the grid with digits from 1 to 9. Digits must be different in rows, columns and marked areas. Cells with hearts contain two "love digits".

	♥	♥	5				4		
				♥					2
			9	♥		6	♥		
					2	9	♥	6	
	7				5			4	
	6		4	1					♥
→			♥	9			5		♥
→	2		♥						
			6		♥	♥	8		

## 7. RELATED SUDOKUS

49 pt

Fill each grid with digits from 1 to 5. Within a grid, digits must be different in rows, columns and outlined areas. Digits in two cells connected by arrows must be same.

The puzzle consists of four 5x5 grids arranged in a 2x2 pattern, with arrows indicating relationships between cells in adjacent grids. Each grid has a different colored outline (green or orange) and contains some pre-filled digits and letters.

- Top-Left Grid (Green Outline):** Contains '1' at (2,2) and '2' at (1,3). Arrows point from (1,3) to (1,1), (2,2) to (2,1), and (3,2) to (3,1).
- Top-Right Grid (Orange Outline):** Contains '3' at (1,1), '5' at (4,2), '4' at (4,3), and 'A' at (3,5). Arrows point from (1,1) to (1,2), (2,2) to (2,1), and (3,2) to (3,1).
- Middle-Left Grid (Green Outline):** Contains '3' at (3,1), '4' at (2,3), and 'B' at (3,5). Arrows point from (3,1) to (3,2), (3,3) to (3,4), and (3,4) to (3,5).
- Middle-Right Grid (Green Outline):** Contains '2' at (3,3). An arrow points from (3,3) to (3,2).
- Bottom-Left Grid (Orange Outline):** Contains '4' at (1,1), '1' at (3,1), '5' at (3,2), '3' at (2,5), and 'D' at (4,2). An arrow points from (1,1) to (1,2).
- Bottom-Right Grid (Green Outline):** Contains '3' at (4,1), 'c' at (4,3), and '5' at (4,4). An arrow points from (4,1) to (4,2).

### 8. NONSUDOKU 50 pt

Fill the grid with digits from 1 to 9. Digits must be different in rows, columns and outlined areas. Each small digit indicates that the digit is not present in any of the 8 adjacent cells (including diagonally adjacent cells).

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

### 9. MECHANICAL KILLERS 90 pt

Fill each grid with digits from 1 to 4. Within a grid, digits must be different in rows, columns and outlined areas. All dashed cages should be placed without rotation or reflection in the three grids. They cannot overlap one other. Numbers given at the top left corner of each dashed cage indicate the sum of all digits inside the cage. Digits may be repeated within a cage.

5	6	6	7	10	10	12	18
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px dashed black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px;"></div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px dashed black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px;"></div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px dashed black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px;"></div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px dashed black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px;"></div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px dashed black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px;"></div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px dashed black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px;"></div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px dashed black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px;"></div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px dashed black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px;"></div> </div>