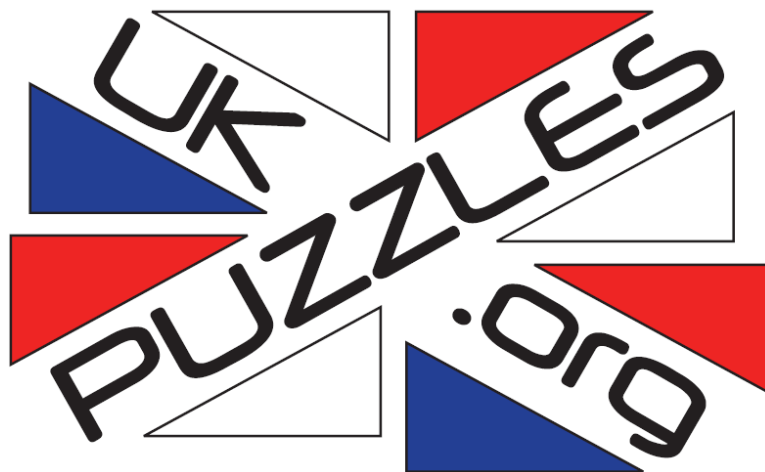




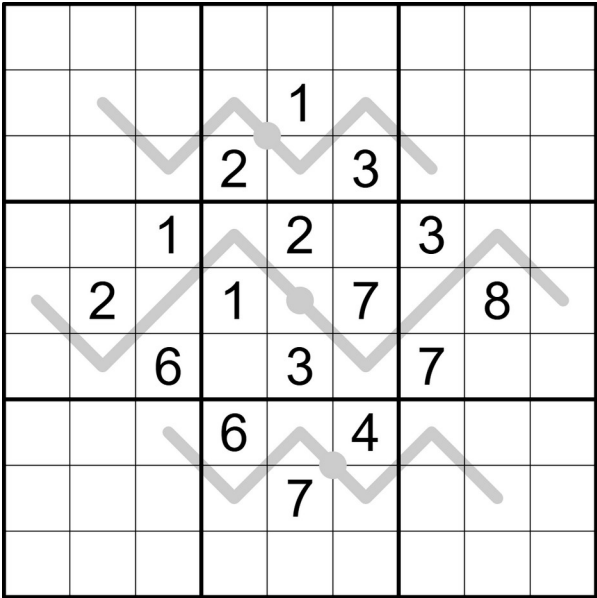
UKPA Open Tournament
1st March, 2025
Sudoku Round 5
Puzzles by Sam Cappleman-Lynes

	Puzzle	Points
1	Zipper Lines Sudoku	
2	Index Lines Sudoku	
3	OEBS Dots Sudoku	
4	Ikpork Sudoku	
5	Less Than Count Sudoku	
6	Shadow Sudoku	
	Total	

Time: ?? minutes.

1 Zipper Lines Sudoku ()

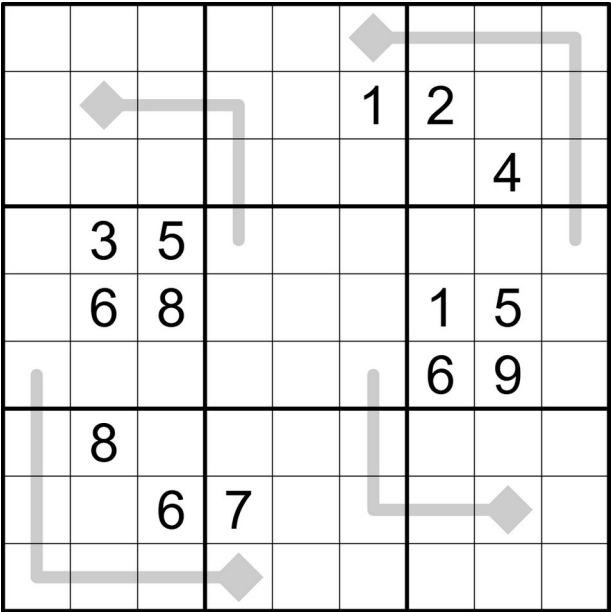
Standard Sudoku rules apply.
Additionally, numbers on given lines form pairs which are an equal distance from the centre of the line. Along a line, each such pair must have the same sum. If a line passes through an odd number of cells, the number in the centre of the line (marked by a dot) must be equal to this common sum.



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

2 Index Lines Sudoku ()

Standard Sudoku rules apply.
Additionally, a line of length N must contain the numbers from 1 to N. The positions on the line are numbered from 1 to N starting from the diamond. If X appears in position Y on the line, then also Y appears in position X.



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

3 OEBS Dots Sudoku ()

Standard Sudoku rules apply.
Additionally, each number has a bigness – either big (greater than 5) or small (less than 5), and a parity – either odd (not divisible by 2) or even (divisible by 2).
A white dot separates two numbers with the same bigness and the same parity. A black dot separates two numbers with different bignesses and different parities. A grey dot separates numbers with the same bigness but different parities or the same parities but different bigness.
5 is neither big nor small and cannot appear by a dot.

				8		1	2
	•		•		•		
	○		○		○		
				•			
1	6						
•		•		5	•		•
						1	7
				•			
	•		•		•		•
	○		○		○		○
4	2			1			

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

4 Ikpork Sudoku ()

Standard Sudoku rules apply.
Additionally, around a white dot, no two numbers are permitted to be consecutive. Around a black dot, no two numbers are permitted to be such that one is twice the other.

	9	8		7	6			
7	6				9			
		•	○			○	•	
	•	○			○	•		
				2				
				9				
				3				
	•	○			○	•		
•	○				○	•		
			9				8	7
			7	5		9	2	

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

Standard Sudoku rules apply.

Additionally, a number placed in a cell with arrows is equal to the total amount of numbers smaller than itself in the directions pointed at by the arrows.

					9	8		
		↗				9	3	
			↗				7	5
			1		↖			9
		↖		3		↖		
9			↖		2			
8	5				↖↗			
	3	6				↖↗		
		1	6					

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

Standard Sudoku rules apply.

Additionally, a number outside a row or column indicates the sum of all numbers that appear immediately behind a larger number, reading from the side the clue is on.

1	4						6	
		7						
2								
3	4					3		
	2						8	

			10		20		30		
1	2	1	5	3	9	4	7	6	8
	3	4	6	7	8	1	2	5	9
	9	8	7	6	5	2	1	4	3
2	5	9	8	2	1	6	4	3	7
	1	3	4	5	7	8	9	2	6
	7	6	2	9	4	3	8	1	5
3	6	5	1	8	2	7	3	9	4
	4	7	9	1	3	5	6	8	2
	8	2	3	4	6	9	5	7	1
			19	11		17	8		