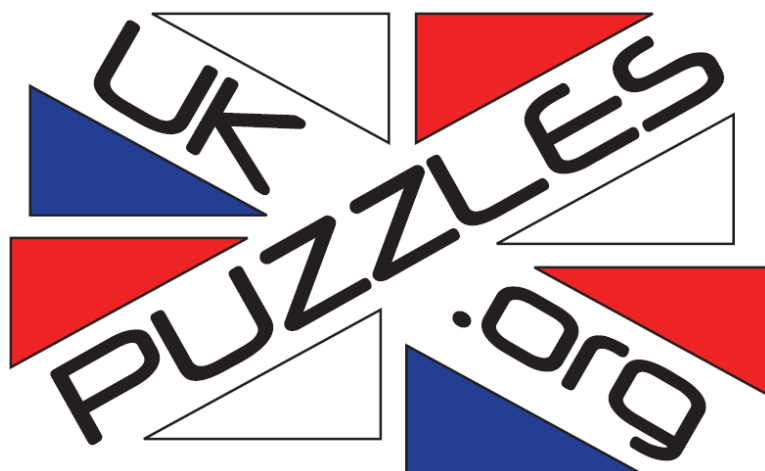


Name:		Points:	
-------	--	---------	--



UKPA Open Tournament

24th February, 2024

Round 4

Puzzles by Kay Mennens

	Puzzle	Points
1	X Sums Sudoku	24
2	XV Sudoku	24
3	Arrow Sudoku	29
4	Renban Sudoku	35
5	Parity Sudoku	43
6	Killer Sudoku	46
7	Between Lines Sudoku	55
	Total	256

Time 45 minutes.

1 - X Sums Sudoku (24)

Place 1-9 once each into every row, column and bold-lined 3x3 box.
Additionally, clues outside the grid indicate the sum of the first X digits placed in the corresponding direction, where X is equal to the first digit placed in that direction.

	15		20		36			
17								36
		9				2		
			5		9			
11								19
			4		6			
		2				7		
12								20
	27		35		13			

2 - XV Sudoku (24)

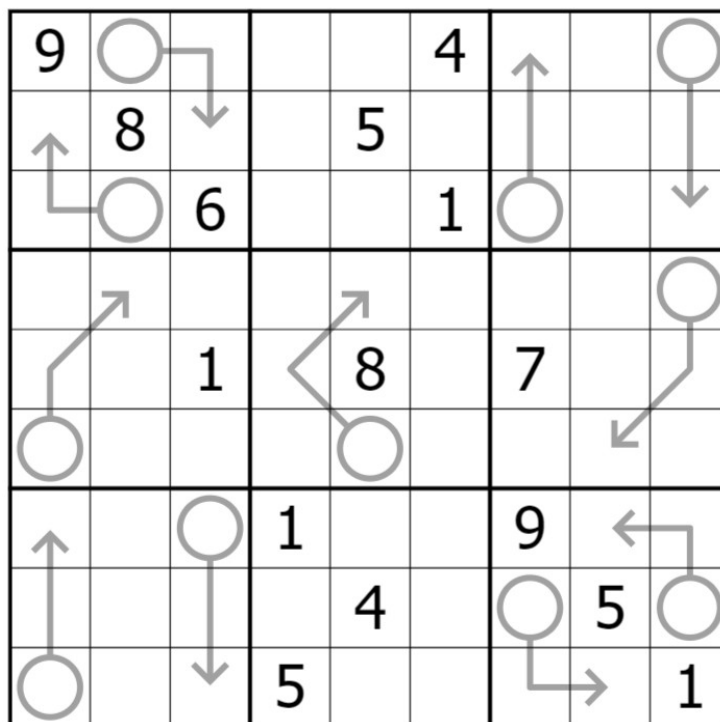
Place 1-9 once each into every row, column and bold-lined 3x3 box.
Additionally, adjacent cells with two numbers that sum to 5 are marked by 'V', while those summing to 10 are marked by 'X'. **Not all** such occurrences are given.

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

3 - Arrow Sudoku (29)

Place 1-9 once each into every row, column and bold-lined 3x3 box.

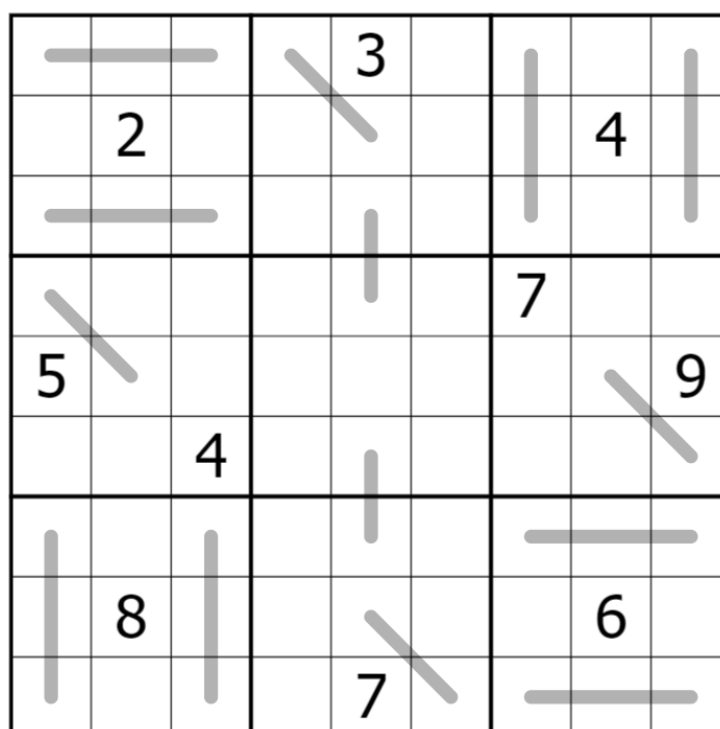
Additionally, the numbers in the circled cells must be equal to the sum of the digits along their attached arrows. Digits may repeat along an arrow, subject to the normal rules of sudoku.



4 Renban Sudoku (35)

Place 1-9 once each into every row, column and bold-lined 3x3 box.

Additionally, the numbers placed on each line must form a consecutive, non-repeating set of numbers.



5 Parity Sudoku (43)

Place 1-9 once each into every row, column and bold-lined 3x3 box.

Additionally, digits on a line are either all odd or all even.

7	2							1
				6				
		3						
				1				
		2	3	4				
			5					
					7			
			4				6	
3								5

6 Killer Sudoku (46)

Place 1-9 once each into every row, column and bold-lined 3x3 box.

Additionally, the numbers placed in each marked cage must sum to the total given in its top-left. Numbers must not repeat in cages.

		36				4	23	
					1			
								2
					9		3	
				7				
	1		3		14			37
1								
24			2					
		3						

7 Between Lines Sudoku (55)

Place 1-9 once each into every row, column and bold-lined 3x3 box. **Additionally**, all numbers on the lines between 2 circles must fall between the numbers contained in the circles at either end of the line.

