

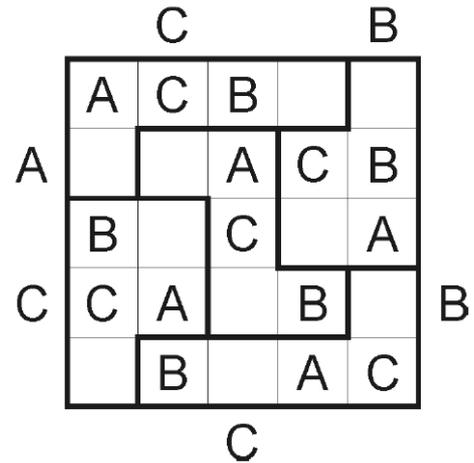
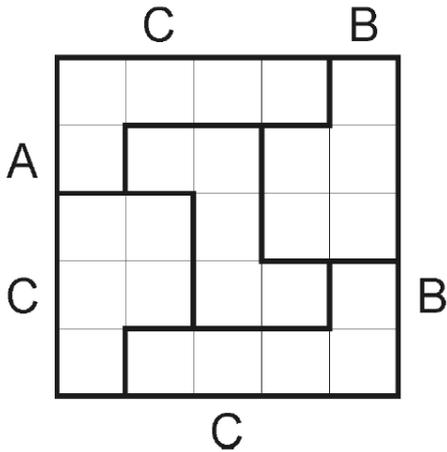
UKPA Open Tournament
14th – 15th March, 2020
Round 4
Puzzles by Čedomir Milanović

	Puzzle	Points
1	Easy as UKPA (Regional)	37
2	LITS+	33
3	Equality	92
4	Tripleblock	78
5	Slitherlink Out-Liars	36
6	UK Scrabble	100
7	Hungarian Pentomino	54
8	Kropki Kakuro	100
	Total	530

Time: 90 minutes.

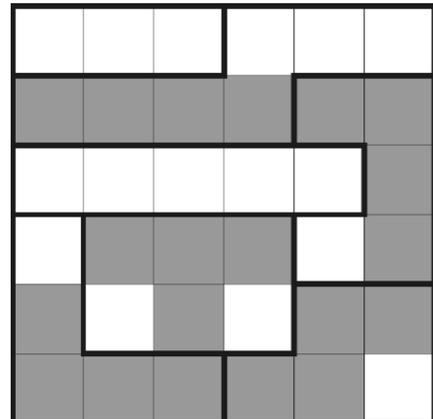
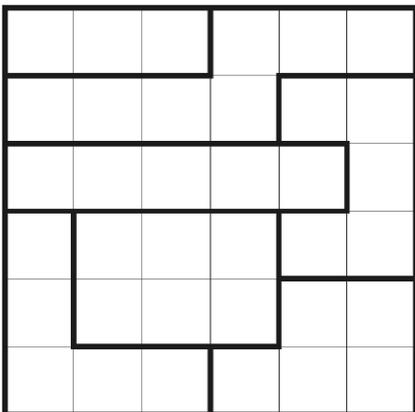
1 Easy as UKPA (Regional) (37)

Enter the letters U, K, P and A into the grid (A, B and C in the example), so that they each appear once in every row, column and bold lined region. Some cells will remain empty. The letters outside the grid indicate the letter that appears first from that side in the corresponding row or column.



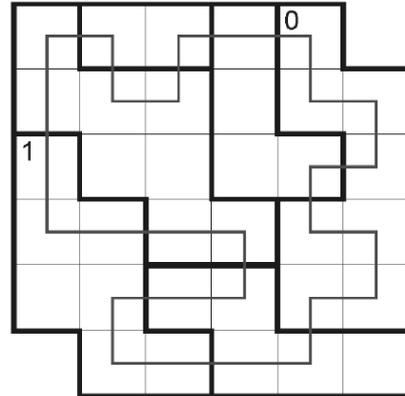
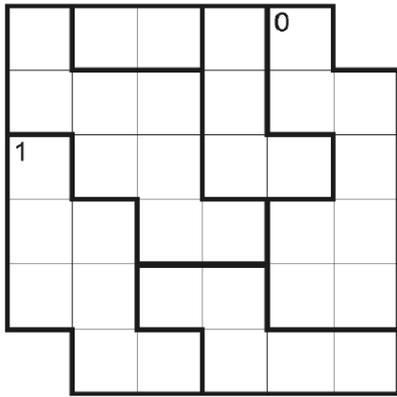
2 LITS+ (33)

Shade four connected cells in some of the bold outlined regions to form an L, I, T or S tetromino. All shaded cells must be connected with each other and no 2x2 group of cells can be entirely shaded or unshaded. When two tetrominoes in adjacent regions share an edge they must not be of the same shape (rotations and reflections are considered to be the same shape.)



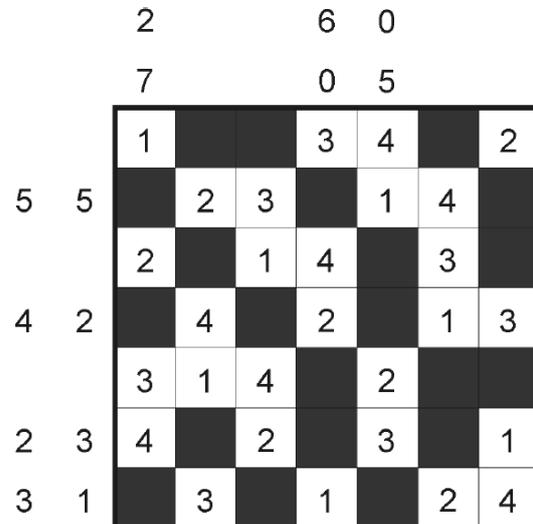
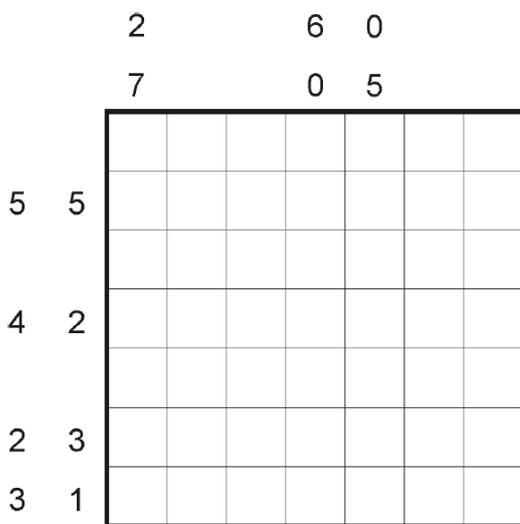
3 Equality (92)

Draw a closed loop in the grid that runs horizontally and vertically and passes through each cell at most once. The loop must enter and leave each region at least twice. For multiple visits to the same region, each visit must pass through the same number of cells. That number can be equal or different for different regions. If a region contains a number, that number indicates how many cells in that region are not used by the loop.



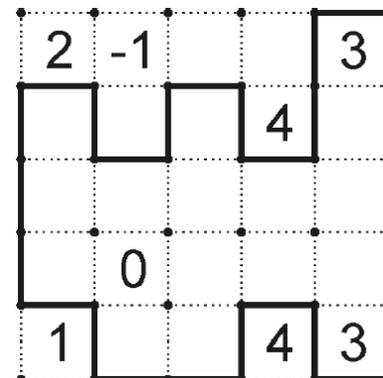
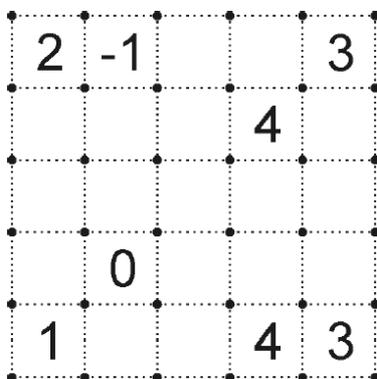
4 Tripleblock (78)

Place three shaded cells and the digits 1 to 6 once (1 to 4 in the example) in each row and column. The numbers outside the grid indicate the sums of the digits between two shaded cells in the respective row/ column in the correct order.



5 Slitherlink Out-Liars (36)

Draw a closed loop that doesn't cross itself that consists of horizontal and vertical sections between the dots. A number inside the loop indicates how many of that cell's edges are part of the loop. All numbers that are outside the loop are 'liars' which are 1 away from the correct number of that cell's edges that form part of the loop.



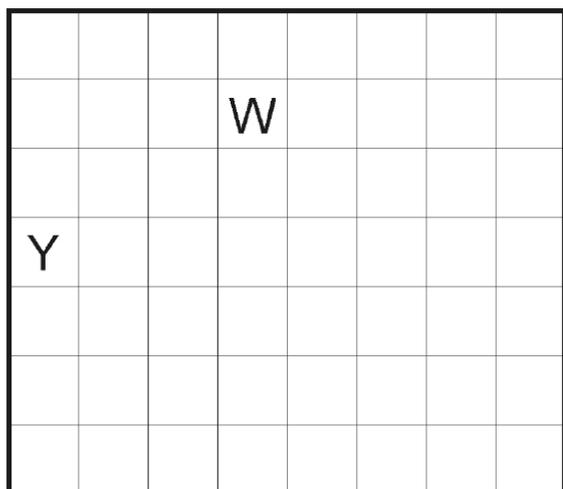
6 UK Scrabble (100)

Place all the given words into the grid, one letter per cell (with some exceptions). The given words can be read either left to right or top to bottom. Every word must appear in the grid exactly once, and no other words may appear (even two letter words). All words must interconnect to form a single group.

Some cells can be divided into two triangles. In such cells the pair of letters U and K must be placed, one letter per triangle (there are four possible combinations: U/K, K/U, U\K and K\U). Each divided cell with two letters must be the point of intersection of two words.

Some letters are already placed in the grid. All such instances of those letters are already placed.

Points will be awarded if the placement of the triangles isn't marked but both the U and K are given in shared cells.



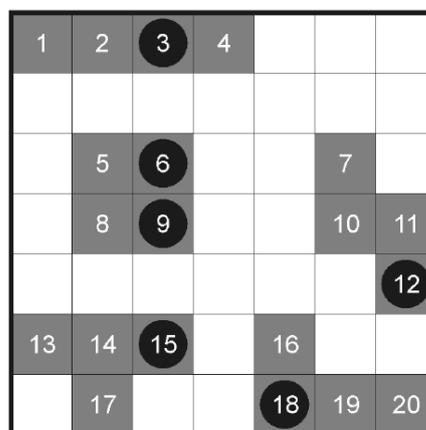
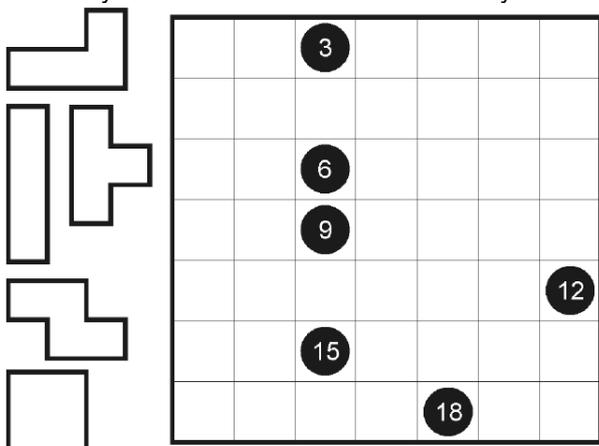
IRKUTSK
KAKURO
KUROTTU

MILWAUKEE
REKUTO

YUKON
WINDOKU

7 Hungarian Pentomino (54)

Place the given set of pentominoes in the grid (tetrominoes in the example). Pentominoes do not touch each other, even at a point. All cells occupied by pentominoes are numbered in sequence, starting from 1. Every third numbered cell is marked by a black circle. Pentominoes may be rotated and/or reflected.



8 Kropki Kakuro (100)

Place a digit from 1 to 9 into each white cell. The numbers in the grey cells indicate the sum of the digits of the adjacent "word" across or down (across clues are to the left and down clues above). Digits may not repeat within a "word". Additionally, there are some kropki circles in the grid. White circles between two cells indicate that there is a difference of 1 between the digits in those cells. Black circles between two cells indicate that one digit is twice the other in those cells. Cells with 1 and 2 in can have either a white or black circle between them.

	24		14	24			21
28					10		
		11			6		
		9				8	
			21				
			12				
17							
		17					
11			29				

	24		14	24			21
28	9	6	8	5	10	7	3
	2	11	6	4	6	1	1
	5	2	21	3	3	5	7
17	3	7	5	2		1	4
	1	17	7	1	9		2
11	4	7	29	9	7	8	5