

NAME:

POINTS:



8TH 24 HOURS PUZZLE CHAMPIONSHIP

17-18 NOVEMBER, 2007

HOTEL BENTA

BUDAPEST

PUZZLES BY

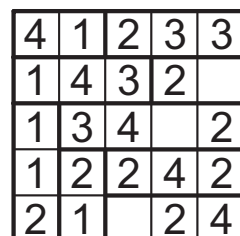
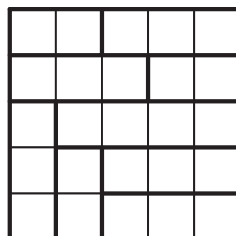
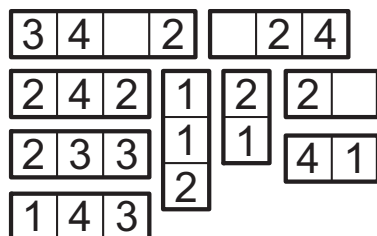
SERKAN YUREKLI & GULCE OZKUTUK

- | | |
|----------------------------|-------------------|
| 1. Piscapone | 75 points (35+40) |
| 2. Tapa | 90 points (30+60) |
| 3. Slash Pack | 55 points |
| 4. Overlapping Battleships | 95 points |
| 5. Sightseeing | 40 points |
| 6. Cup Of Tea | 45 points |
| 7. Comet | 105 points |
| 8. Operations Sudoku | 80 points |
| 9. Snake | 95 points (30+65) |
| 10. Hard As XYZ | 45 points |
| 11. Section | 20 points (10+10) |
| 12. Polygraph | 75 points |
| 13. Hexa | 50 points (10+40) |
| 14. Busy As ABC | 20 points (10+10) |
| 15. Tetroscope | 35 points |
| 16. Snowflake | 75 points (15+60) |

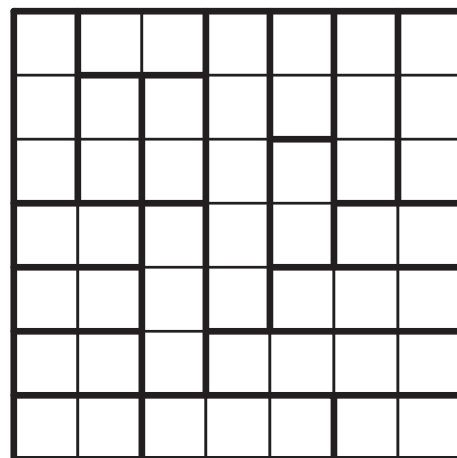
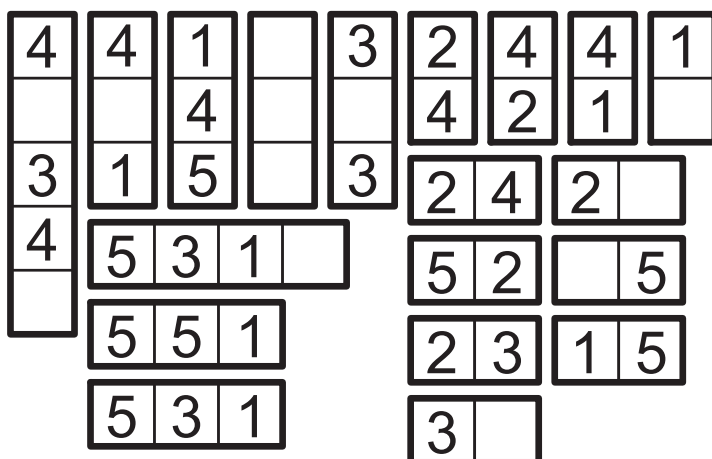


1. Piscapone

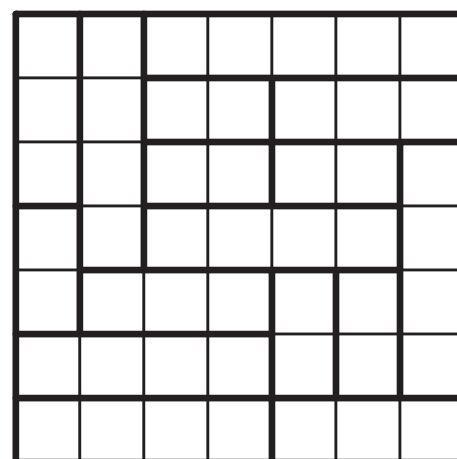
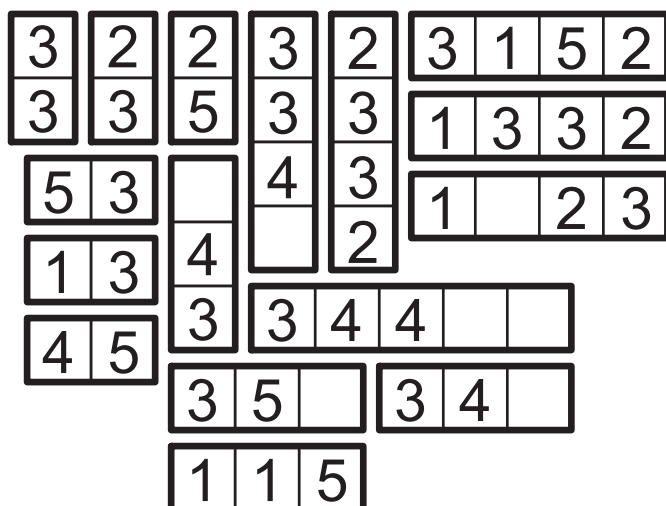
Place the numbered blocks in the grid without any rotations. Same numbers must be connected to each other horizontally, vertically or diagonally.



35 Points



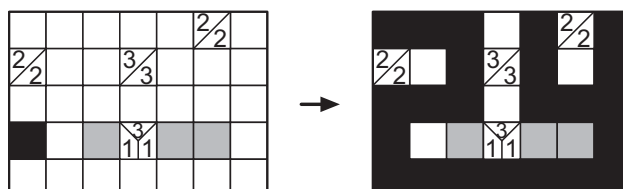
40 Points



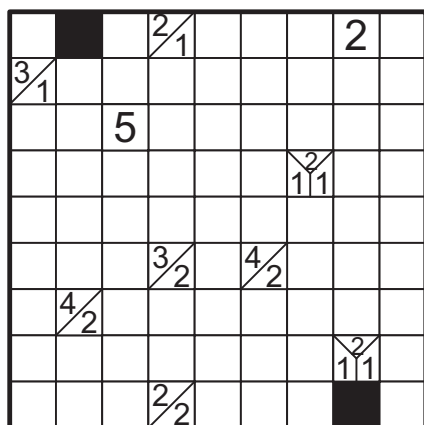


2. Tapa

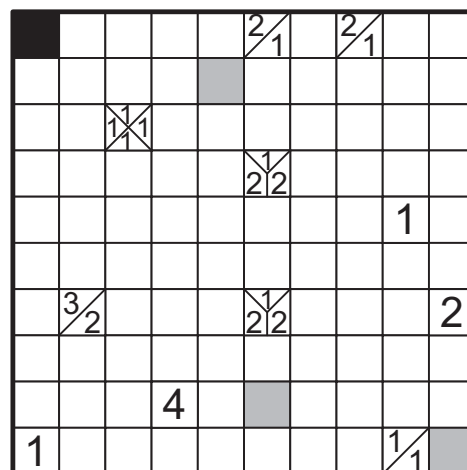
Paint some squares black to create a continuous wall. Number/s in a square indicate the length of black cell blocks on its neighbouring cells. If there is more than one number in a square, there must be at least one white cell between the black cell blocks. Painted cells cannot form a 2x2 square or larger. There are no wall segments on grey cells, or cells containing numbers. Some segments of the wall are given.



30 Points



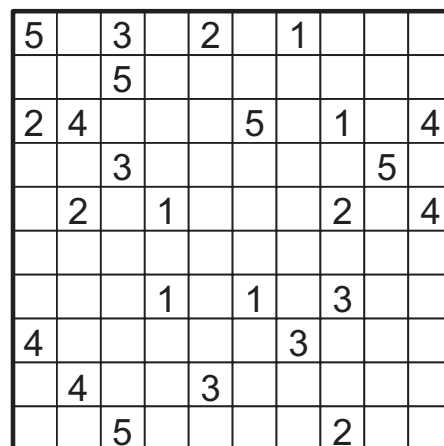
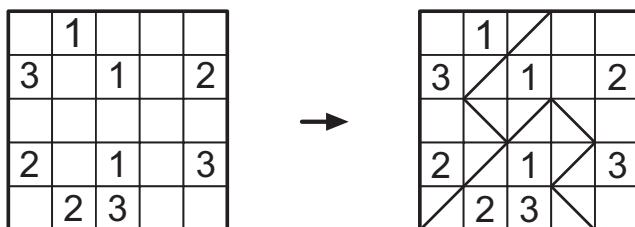
60 Points



3. Slash Pack

Divide the grid into shapes, using only the diagonals of the squares without any loose ends. Each shape must contain numbers from 1 to 5. Two diagonals cannot cross in one square.

55 Points

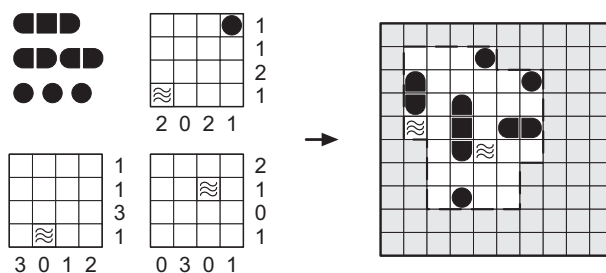




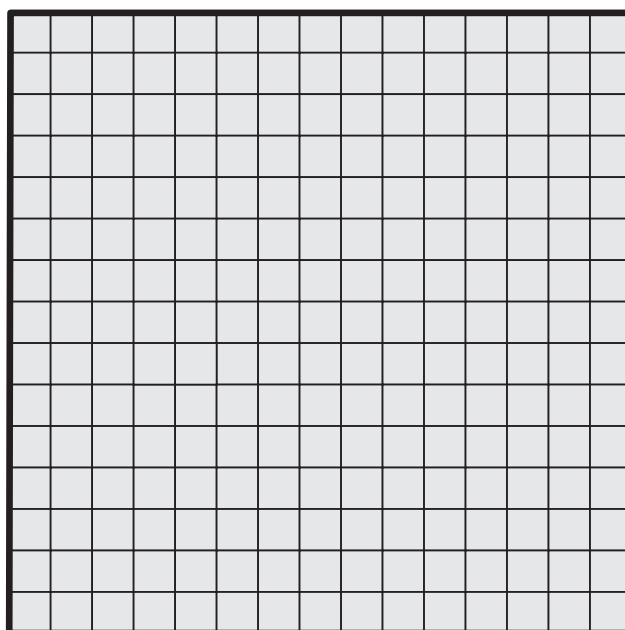
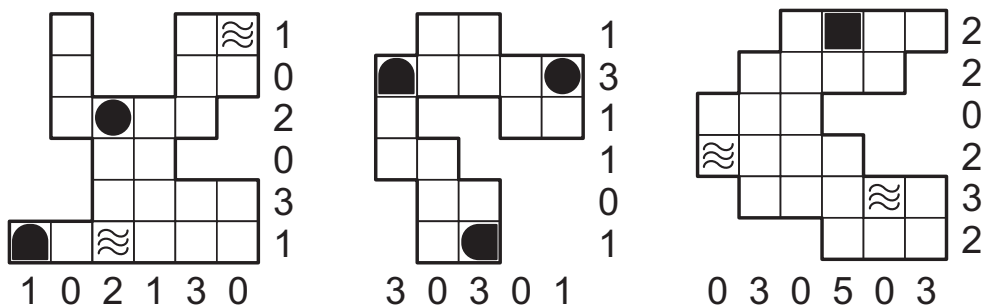
4. Overlapping Battleships

Overlapping the given three shapes without rotating or turning over, obtain a diagram that includes the regular battleships fleet. Numbers on sides indicate the number of ship segments on the corresponding rows or columns. Ships cannot touch each other, not even diagonally.

Draw your solution on the given grid. Do not show the shape borders, locating the entire fleet will be enough.



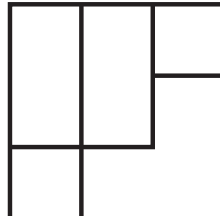
95 Points





5. Sightseeing

Following figure is the front view of an object which is cut from a 3x3x3 cube. How many different objects give this front view? Cuts only go along the surfaces separating unit cubes and there is no cut behind sight.

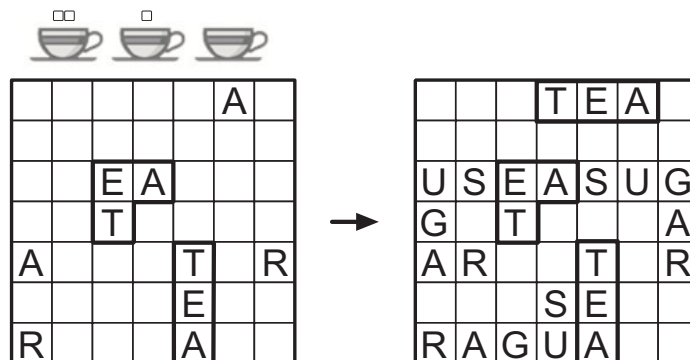


40 Points

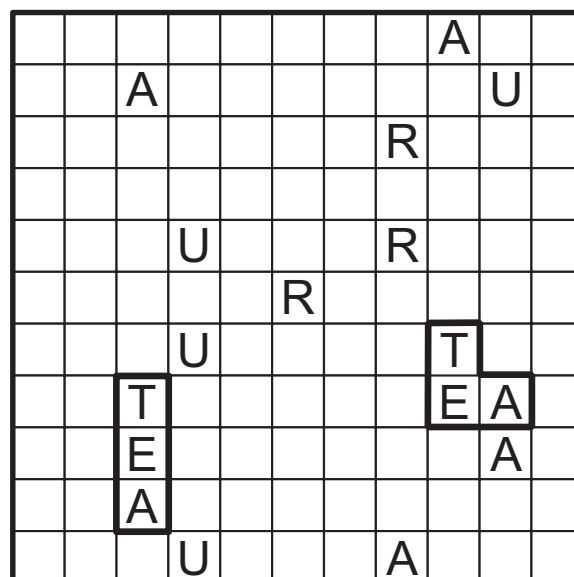


6. Cup Of Tea

Place the given teacups in the grid without touching each other, not even diagonally. The cups contain tea and different amounts of sugar, and are formed of words "TEA" and "SUGAR". "SUGAR"s are connected to "TEA"s from the side and should be written as "SUGAR" moving side-to-side starting from the connection, without touching itself, even at a point. Sugars in one cup also cannot touch each other, not even diagonally.



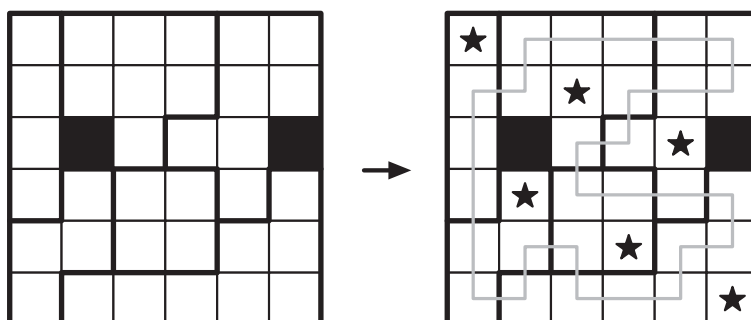
45 Points



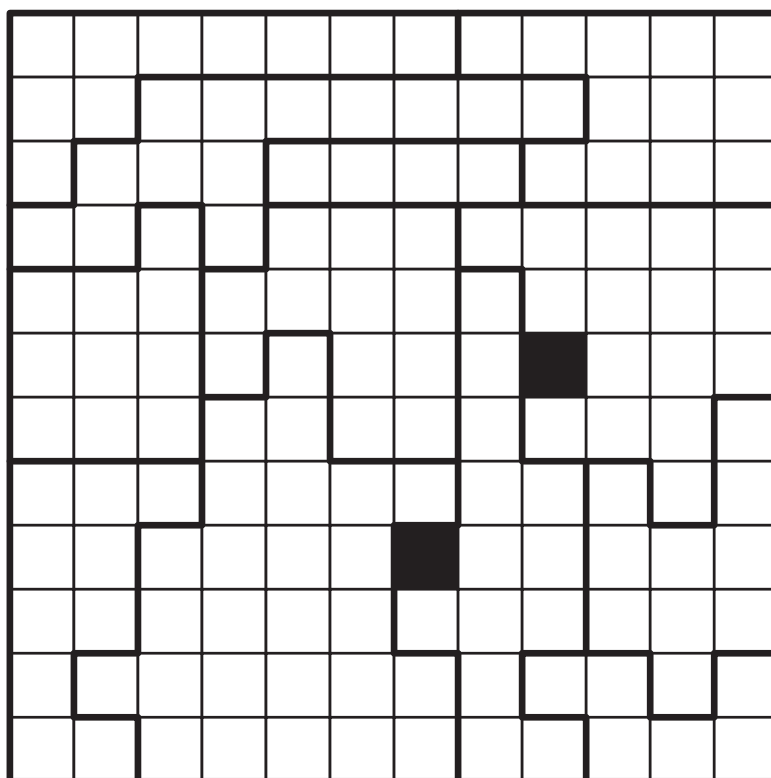


7. Comet

Place some stars in the grid so that there are exactly two stars in every row, column and outlined region. Stars cannot touch each other, not even diagonally. Additionally, all remaining cells must be traversed by a single closed loop, enclosing exactly half of the stars. There are no stars or loop segments on black cells.



105 Points



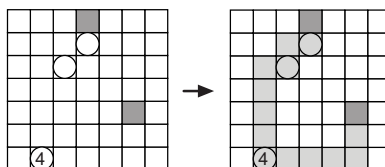
80 Points

4		5	⊖		⊖	6		2
7	6	⊗	⊕	5	⊕		3	8
			4		⊗	9	⊖	
⊗	⊗	⊖		4			⊕	⊖
4			⊗	8	⊕		9	
⊗			⊗	1	⊖			⊕
⊗	⊕	⊖	6			1	⊗	⊖
5	2			9			⊗	6
8		4				⊕	3	⊗
							2	9

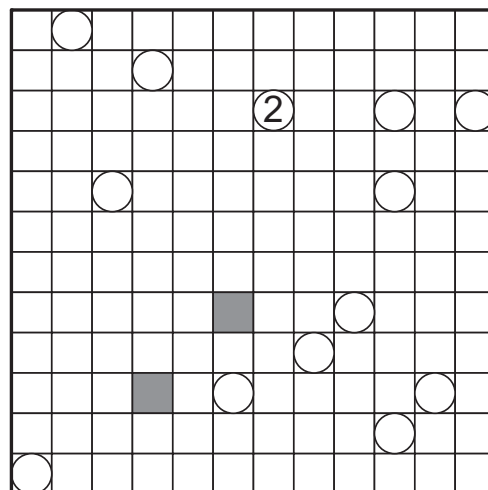


9. Snake

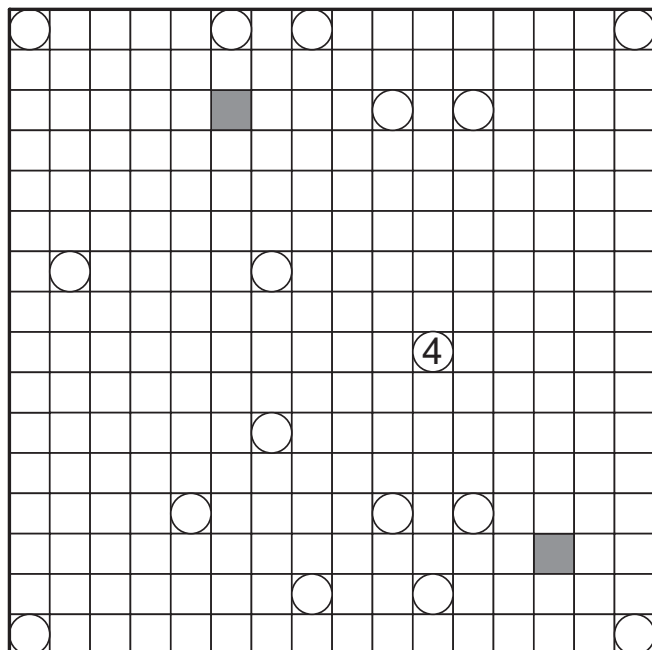
Moving horizontally or vertically, draw a snake that doesn't touch or cross itself, not even diagonally. Snake's head and tail are given as two grey cells. Each one of the given circles is a corner of the snake formed of two segments (meeting at that corner) with the same length. Some circles contain numbers which give the length of each segment.



30 Points



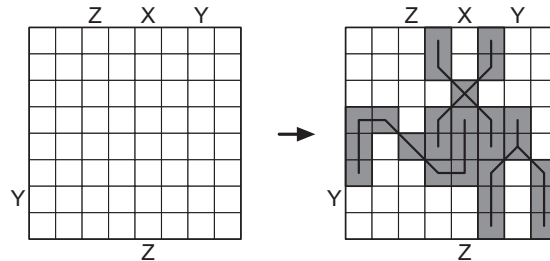
65 Points



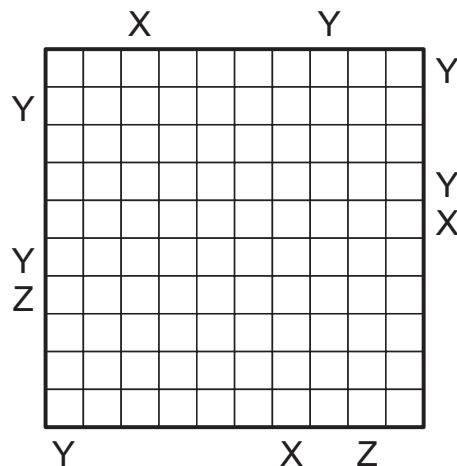
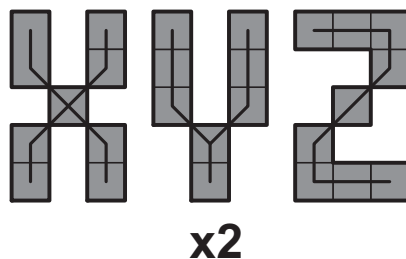


10. Hard As XYZ

Locate two sets of figures X,Y,Z into the grid so that the letters outside the grid indicate the first letter that appears from the corresponding direction. Figures can be rotated, but not reflected. Lines forming the letter shapes cannot overlap.

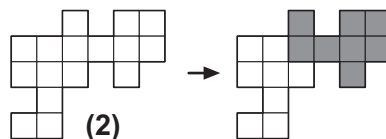


45 Points

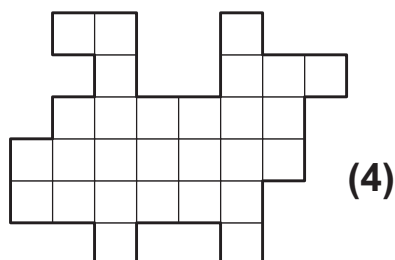


11. Section

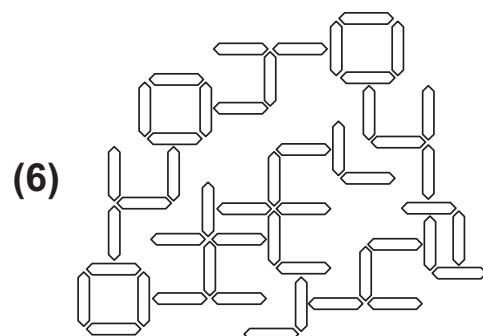
Divide the figures into the given number of identical pieces. Pieces can be rotated and/or mirrored.



10 Points



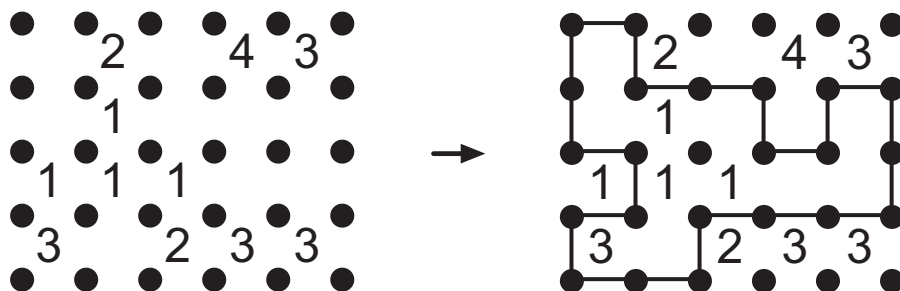
10 Points



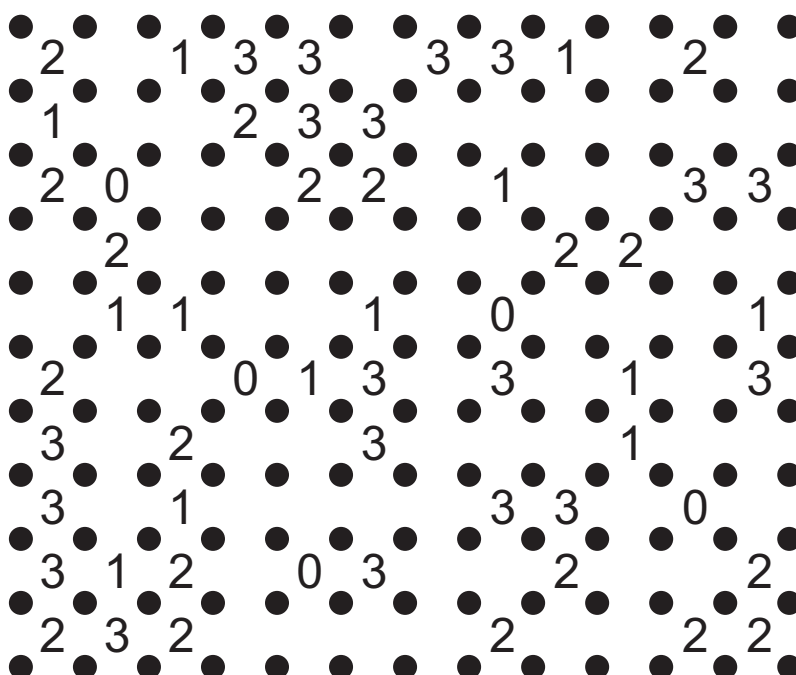


12. Polygraph

Draw a single continuous loop by connecting neighbouring dots horizontally or vertically. The clues inside the loop indicate the number of its edges used by the loop. The clues outside the loop indicate the number of its edges NOT used by the loop (namely, empty edges).



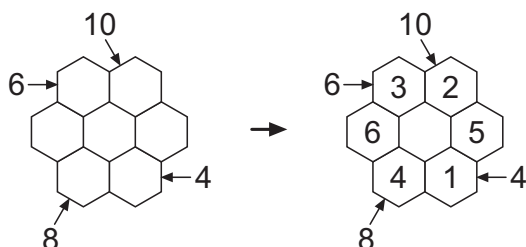
75 Points



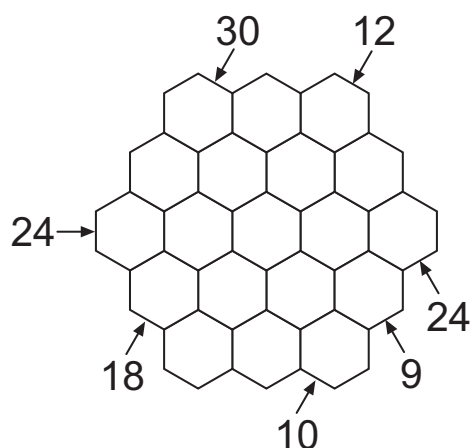


13. Hexa

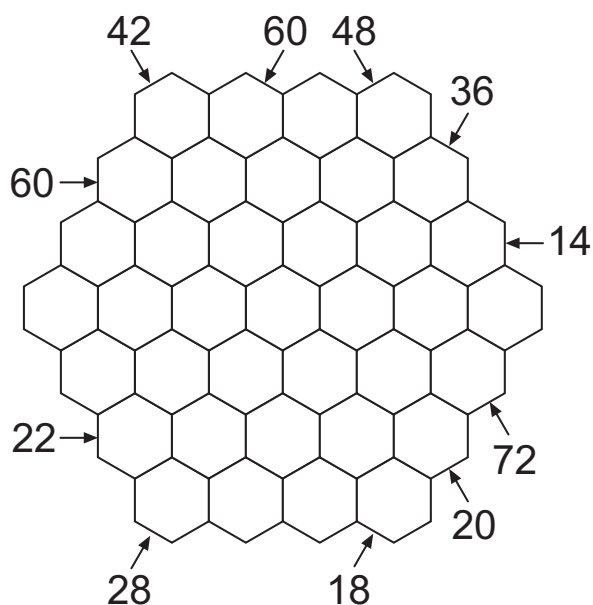
Place numbers from 1-10 (1-14 for the second puzzle) into the grid. There must be two numbers in every row and diagonal. Numbers outside the grid indicate the product of the numbers in the corresponding direction.



10 Points



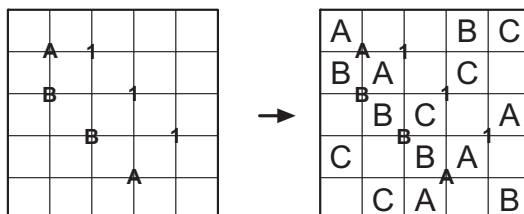
40 Points



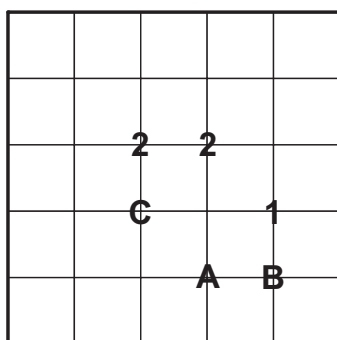


14. Busy As ABC

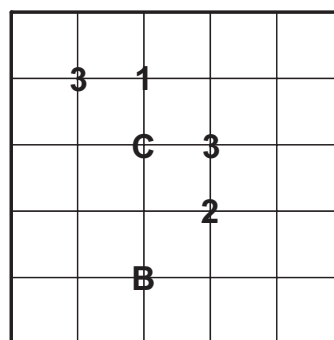
Fill the grid with letters A,B and C so that each letter occurs exactly once in every row and column. Letters inside the grid indicate which letter occurs most in its neighbouring squares. Numbers inside the grid indicate how many different letters occur in its neighbouring squares.



10 Points

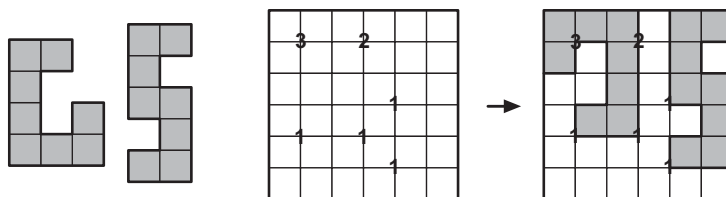


10 Points

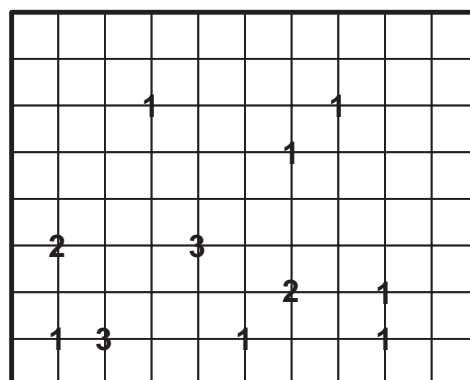
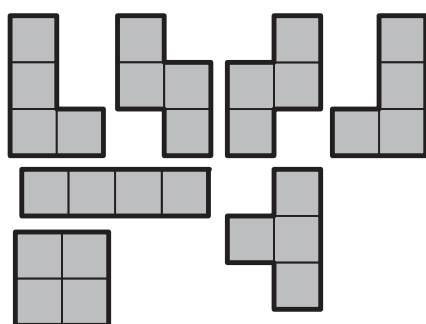


15. Tetroscope

Place the given tetrominoes in the diagram using each tetromino exactly once. Pieces can be rotated but not mirrored. Numbers inside the grid indicate the amount of occupied cells in the neighbouring squares. Tetrominoes cannot touch each other, not even diagonally.



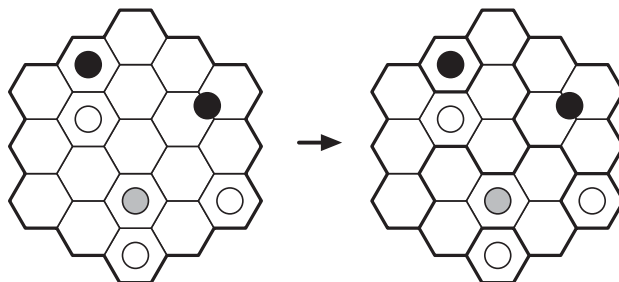
35 Points



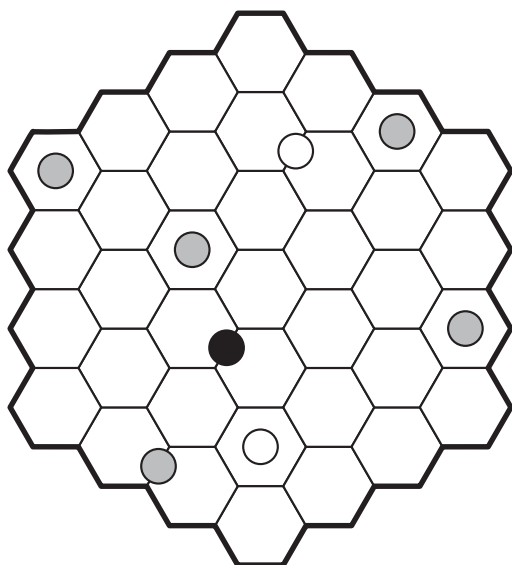


16. Snowflake

Following the grid lines, divide the whole grid into shapes of various sizes. Each shape must have rotational symmetry and there must be exactly one circle inside each shape, representing its point of symmetry. Shapes containing the same colours of circles cannot touch each other, not even at a point.



15 Points



60 Points

