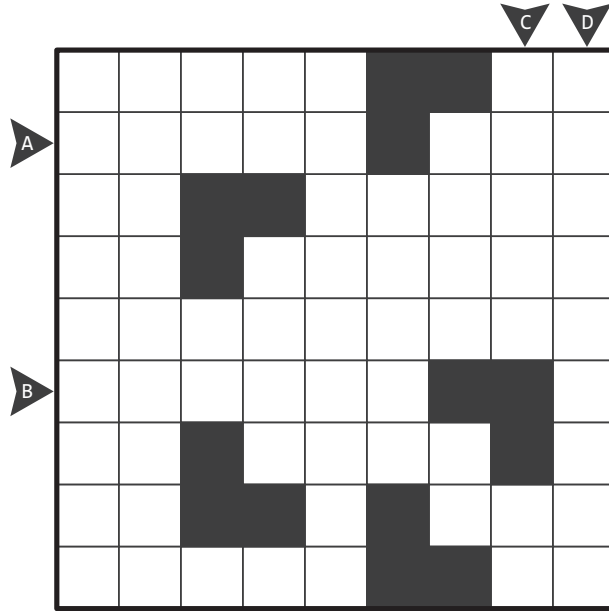


Simple Loop

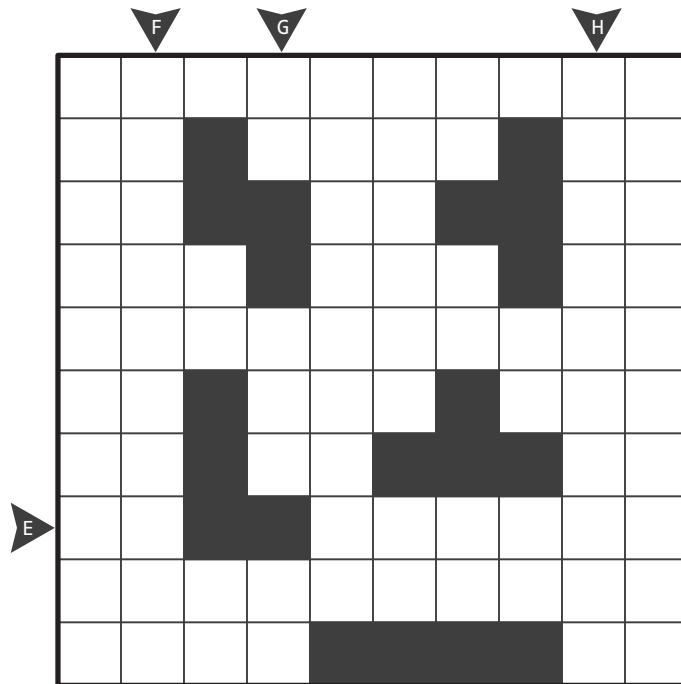
1 + 2 points

- Draw a single closed loop passing through every cell in the grid horizontally and vertically, except the given black cells.
- The loop can't cross or touch itself.

Answer key: Enter lengths of largest loop segment in marked row/column.



1

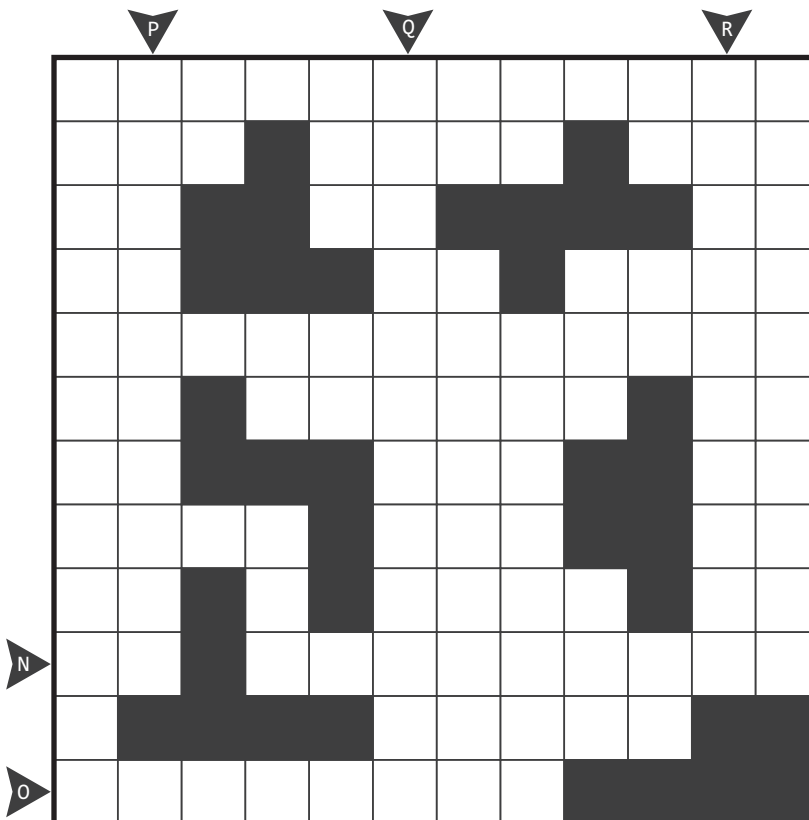
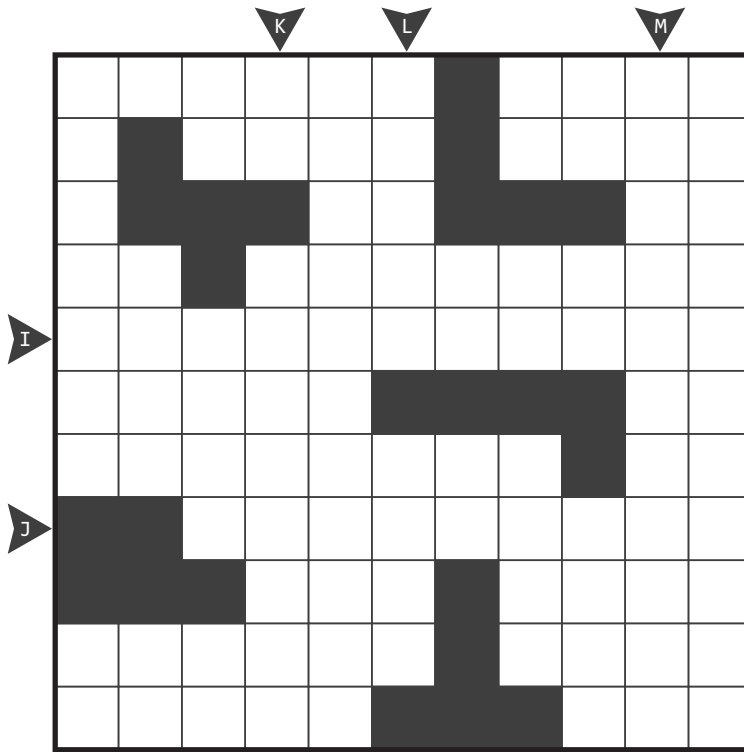


2

Simple Loop

2 + 3 points

Refer to previous page for rules and answer keys.



Maxi Loop

1 + 5 + 7 points

- Draw a single closed loop passing through every cell in the grid horizontally and vertically.
- The loop can't cross or touch itself.
- The numbers in the boldly marked regions indicate the highest amount of cells that the loop goes through consecutively (i.e. without exiting to another region) in that area.

Answer key: Enter lengths of largest loop segment in marked row/column.

Maxi Loop

16 points

Refer to previous page for rules and answer keys.

A 12x12 grid for a Maxi Loop puzzle. The grid contains numbers in various cells, indicating the length of the largest loop segment in that row or column. Directional arrows point to the specific row or column. The numbers are: Row 1: (1,1)=5, (1,5)=2, (1,6)=3, (1,8)=1, (1,9)=4; Row 2: (2,2)=1, (2,4)=1, (2,8)=2, (2,10)=2; Row 3: (3,5)=2, (3,8)=2; Row 4: (4,2)=4, (4,10)=3; Row 5: (5,6)=2; Row 6: (6,1)=4, (6,5)=3, (6,12)=4; Row 7: (7,4)=2, (7,8)=3; Row 8: (8,5)=1, (8,6)=4, (8,8)=2; Row 9: (9,4)=2, (9,9)=1; Row 10: (10,5)=2, (10,8)=2; Row 11: (11,1)=4; Row 12: (12,12)=4. Arrows point to Row 1 (P), Row 2 (Q), Row 3 (R), Row 4 (S), Row 6 (O), and Column 12 (4).

Masyu

2 + 1 points

- Draw a single closed loop, which connects centers of some (not necessarily all) cells horizontally and vertically.
- The loop can't cross or touch itself.
- The loop turns in every black circle and goes straight through both adjacent squares.
- The loop goes straight through every white circle and turns in at least one of both adjacent squares.

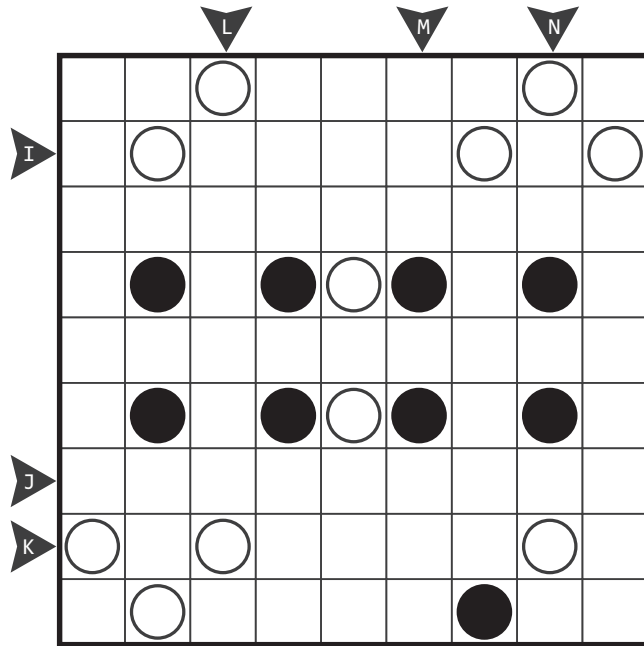
Answer key: Enter lengths of largest loop segment in marked row/column.

A 6x6 grid for a Masyu puzzle. The grid contains black circles (where the loop must turn) and white circles (where the loop must go straight). Directional arrows point to the grid. The circles are: Row 1: (1,3)=black, (1,5)=black; Row 2: (2,1)=white, (2,6)=white; Row 3: (3,3)=white; Row 4: (4,2)=white, (4,3)=black, (4,5)=black, (4,6)=white; Row 5: (5,1)=white, (5,4)=white, (5,6)=white; Row 6: (6,3)=black, (6,5)=white. Arrows point to Row 1 (B), Row 2 (C), Row 3 (D), Row 4 (A), Row 5 (E), Row 6 (F), Column 1 (G), and Column 6 (H). A small diagram shows a loop segment with a '1' and a '2' indicating lengths.

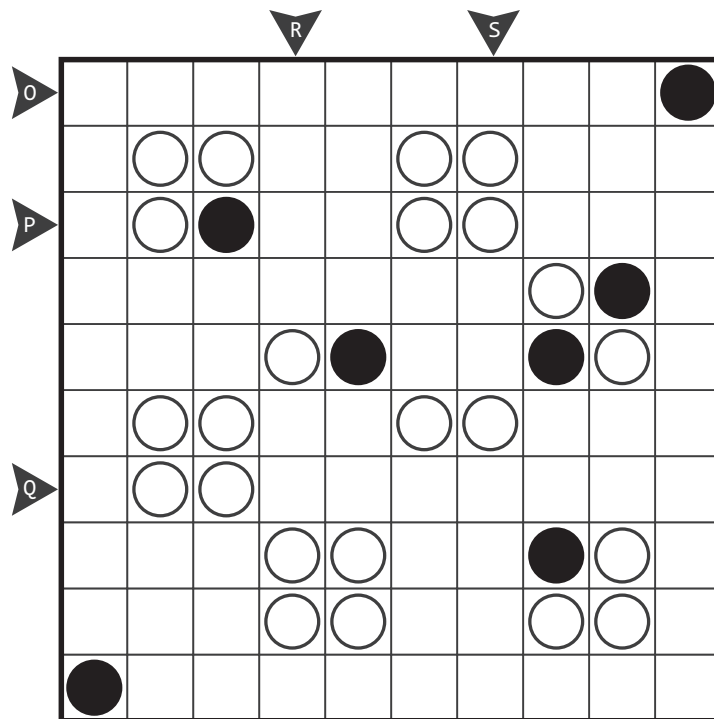
Masyu

3 + 4 points

Refer to previous page for rules and answer keys.



3



4

Railroad Tracks

2 + 4 + 5 points

- Draw a single closed loop passing through every cell in the grid horizontally and vertically.
- The loop can't touch itself and must cross itself only in cells with a given '+'.
- The loop must pass straight through numbered cells, and must travel in order from 1 to 2 and so on till N (where N is the highest number given) and then back to 1.

Answer key: Enter lengths of largest loop segment in marked row/column.

Railroad Tracks

7 points

Refer to previous page for rules and answer keys.

A 10x10 grid puzzle. The grid contains numbers in various cells and crosses in others. The numbers are: 1 (row 1, col 2), 11 (row 1, col 6), 10 (row 2, col 4), 6 (row 2, col 9), 2 (row 3, col 3), 12 (row 4, col 1), 3 (row 8, col 1), 4 (row 8, col 5), 9 (row 9, col 4), 8 (row 9, col 8), 5 (row 6, col 9), 7 (row 7, col 6). Crosses are located at (row, col): (3, 6), (4, 5), (5, 4), (5, 7), (6, 2), (6, 5), (7, 4), (8, 3). Markers: 'R' and 'S' are triangles above the grid at (1, 5) and (1, 6) respectively. 'O', 'P', and 'Q' are triangles to the left of the grid at (5, 1), (6, 1), and (7, 1) respectively. A triangle with the number '4' is to the right of the grid at (5, 10).

Linesweeper

2 + 3 points

- Draw a single closed loop, which connects centers of some (not necessarily all) cells horizontally and vertically.
- The loop can't cross or touch itself.
- Numbers in the grid show the number of cells used by the loop in the surrounding 8-cell area.
- The loop cannot pass through cells with numbers.

Answer key: Enter lengths of largest loop segment in marked row/column.

Two 7x7 grids for the Linesweeper puzzle. The left grid has numbers: 3 (row 1, col 3), 2 (row 1, col 4), 6 (row 3, col 2), 5 (row 3, col 6), 6 (row 4, col 2), 7 (row 4, col 6), 3 (row 6, col 3), 3 (row 6, col 4). Markers: 'A' (left, row 2), 'B' (left, row 6), 'C' (top, row 1, col 3), 'D' (top, row 1, col 4). Between the grids are markers '1' and '2' pointing right. The right grid has numbers: 5 (row 2, col 3), 7 (row 2, col 4), 4 (row 3, col 6), 2 (row 3, col 6), 5 (row 4, col 2), 2 (row 4, col 2), 6 (row 5, col 5), 5 (row 5, col 6). Markers: 'E' (left, row 1), 'F' (left, row 4), 'G' (left, row 4), 'H' (top, row 1, col 5).

Linesweeper

2 + 5 points

Refer to previous page for rules and answer keys.

			5					
		7					5	
						7		
I								
		3						
	2					5		
J					7			

K

L

3

		4					4	
	5	2					2	3
N								
				3	5			
				4	4			
	2	3					2	4
O		1					4	
P								

M

N

O

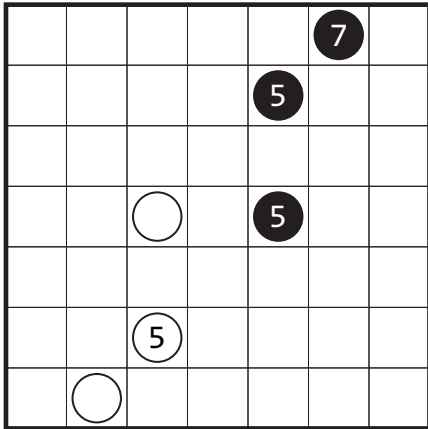
P

Q

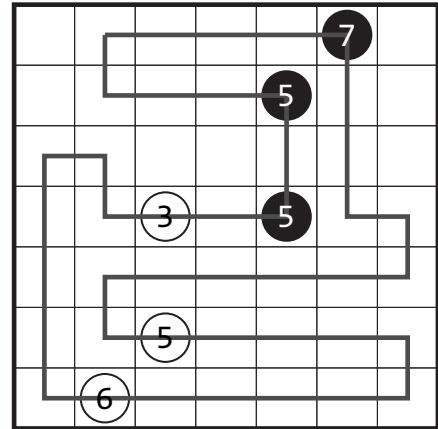
4

Masyu Variation

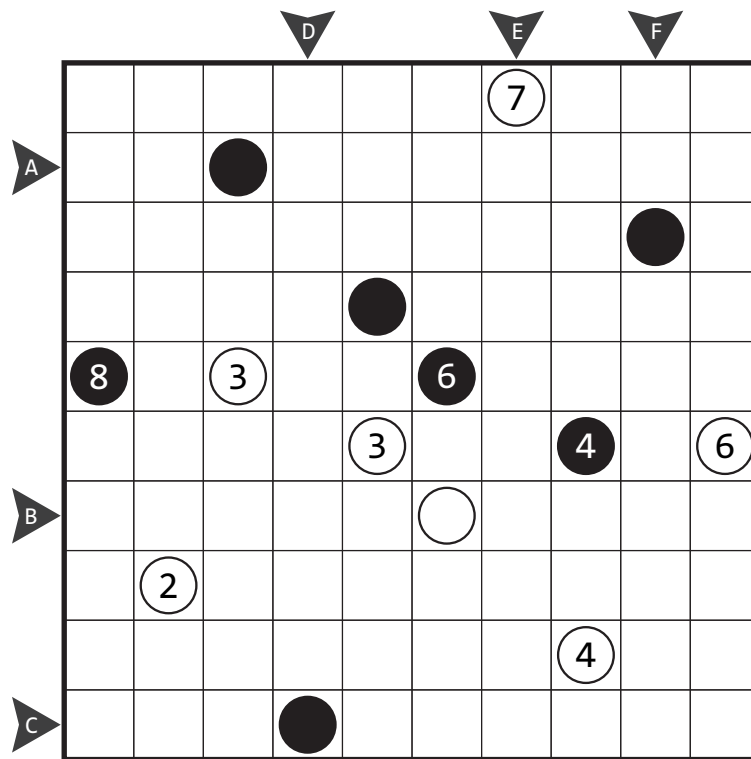
9 points



EXAMPLE



Answer key: Enter lengths of largest loop segment in marked row/column.



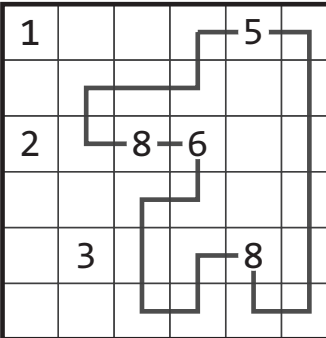
Linesweeper Variation

14 points

1				5	
2		8	6		
	3			8	

**E
X
A
M
P
L
E**

1				5	
2		8	6		
	3			8	



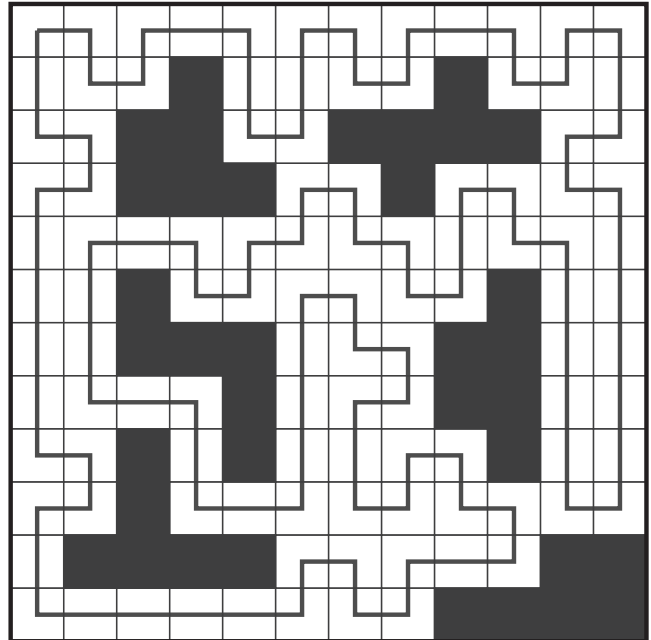
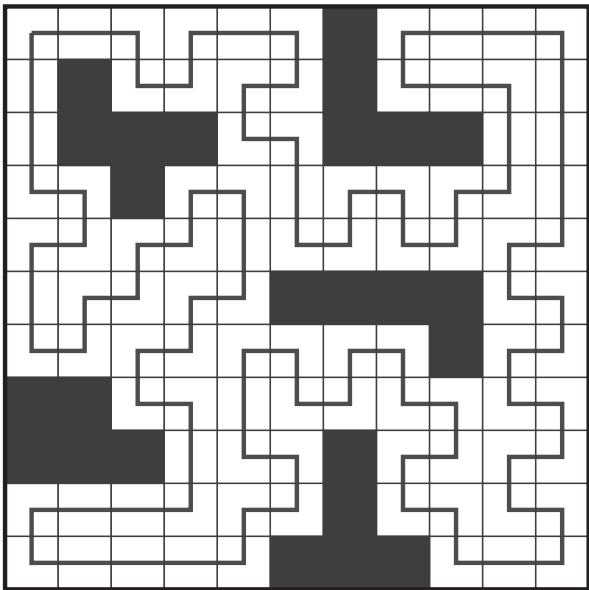
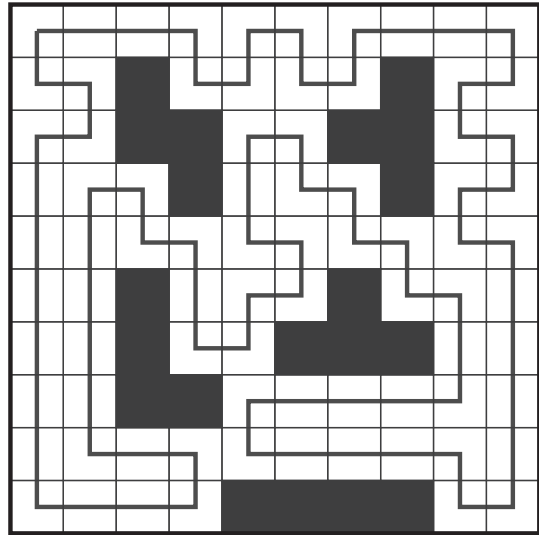
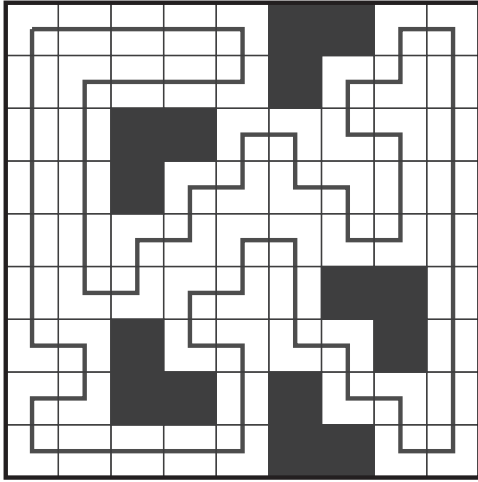
Answer key: Enter lengths of largest loop segment in marked row/column.

	6						4
	6						4
				6			
				4			
	6	4				8	6
				5			
G				5			
H	6						8
I	3						6

End of Test

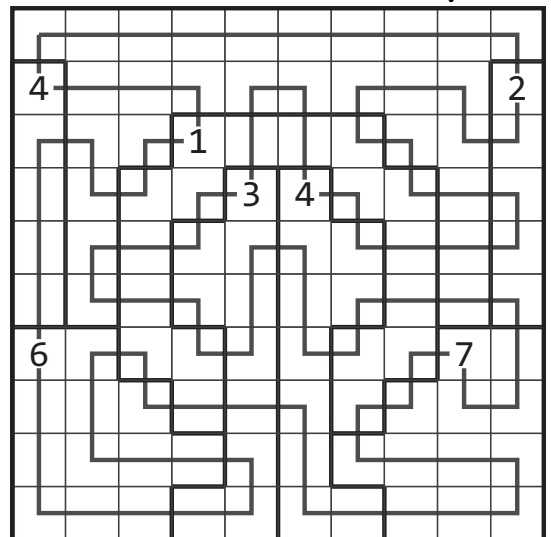
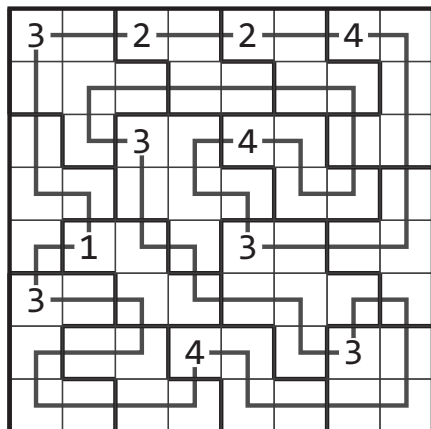
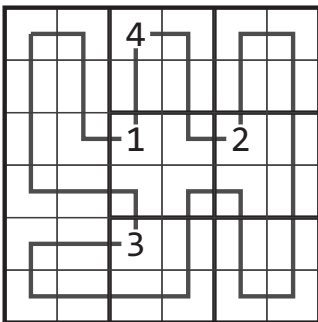
Simple Loop

1 + 2 + 2 + 3 points



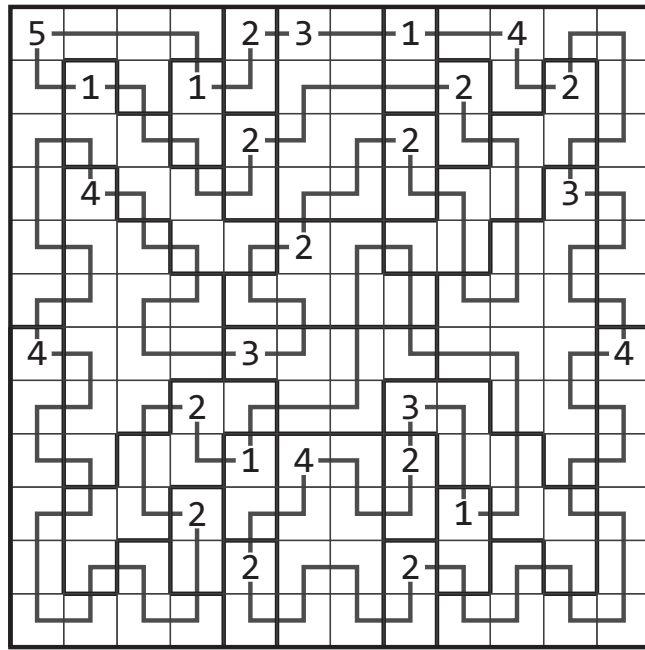
Maxi Loop

1 + 5 + 7 points



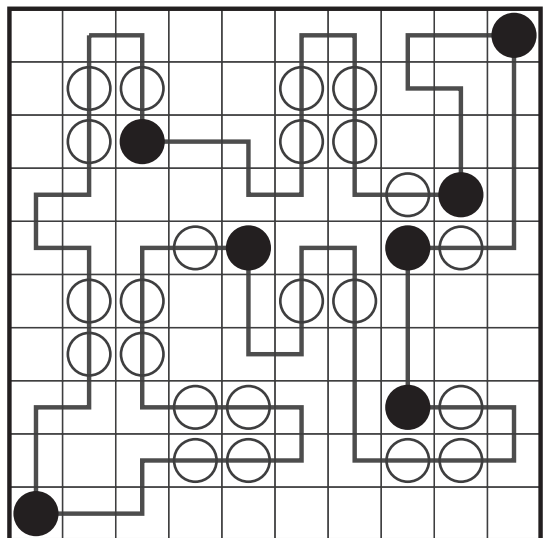
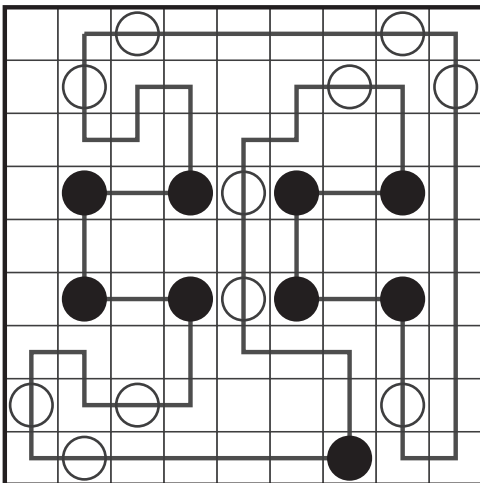
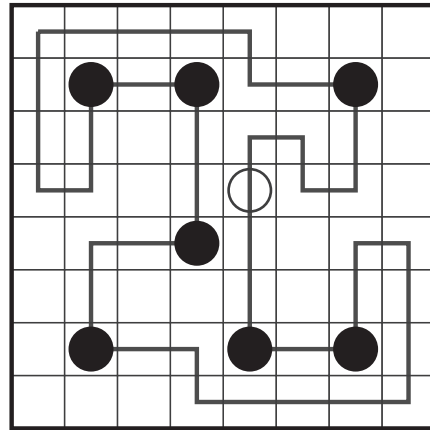
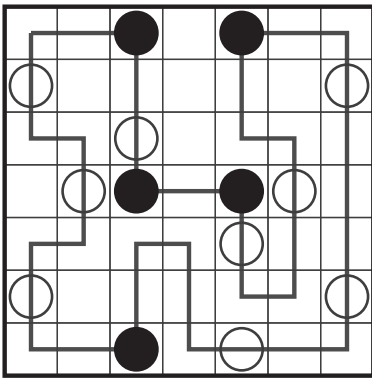
Maxi Loop

16 points

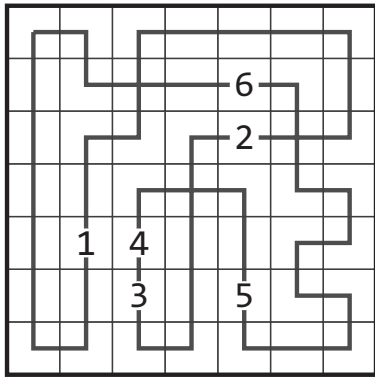


Masyu

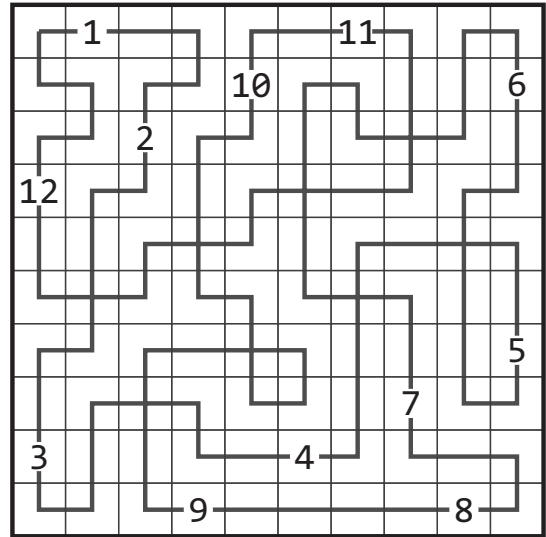
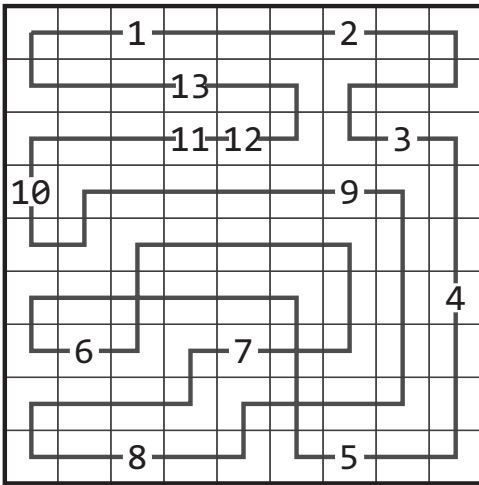
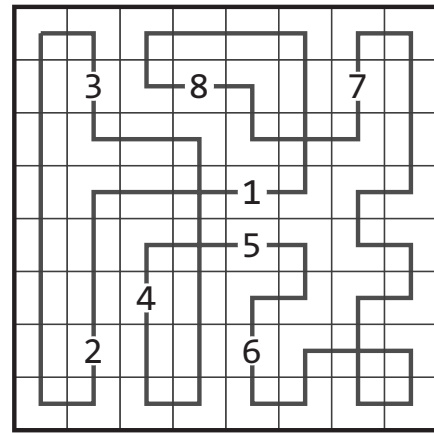
2 + 1 + 3 + 4 points



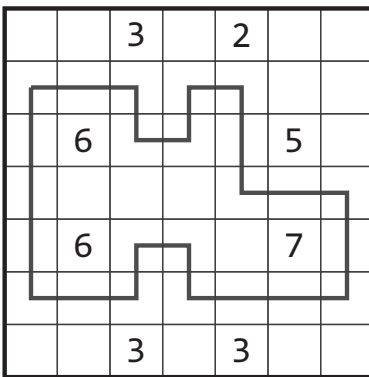
Railroad Tracks



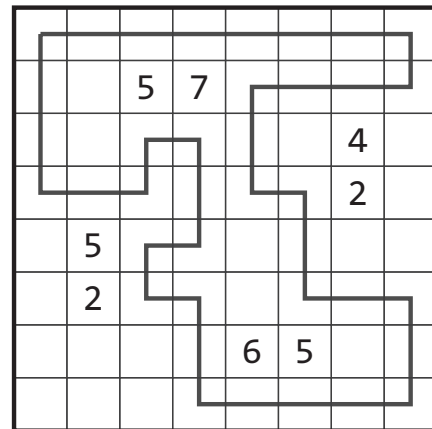
2 + 4 + 5 + 7 points



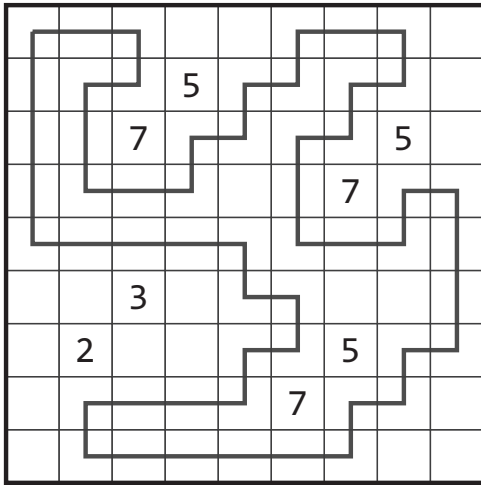
Linesweeper



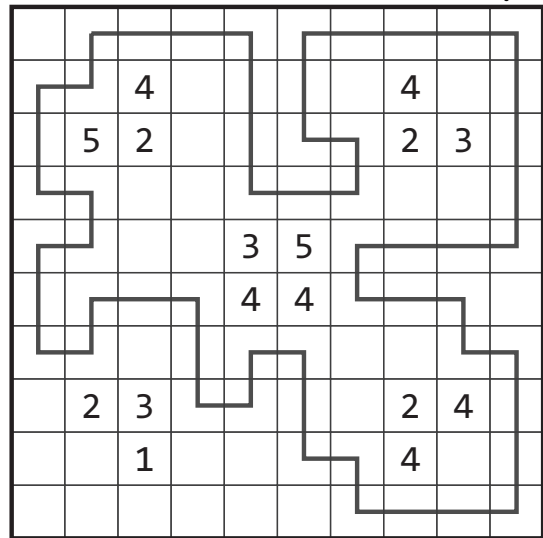
2 + 3 points



Linesweeper

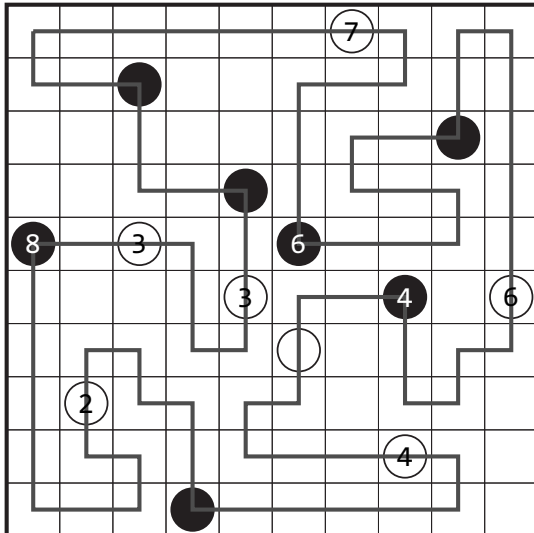


2 + 5 points



Masyu Variation 9 points

Added rule – The number in a circle gives the sum of length of loop segments on either side of the circle.



Linesweeper Variation 14 points

Changed rule – The loop can pass through clue cells, and the clue number describes the 3x3 area it is in the middle of (9-cells instead of 8-cells).

