TAPA VARIATIONS CONTEST

Week 1
17 Aug - 19 Aug 2013
75 minutes + 5 minutes extra time
Penalty points: 5 per minute
Time bonus: 3 per minute

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TVC XIII

TAPA RULE: Paint some cells black to create a continuous wall. Number/s in a cell indicate the length of black cell blocks on its neighbouring cells. If there is more than one number in a cell, 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 cells containing numbers.

TVC XIII ANSWER FORMAT: Write the lengths of separate blackened cell blocks in the marked rows. The answer for the example would be: 12, 11

1. Previously on TVC

1. TAPA LOGIC (120 points)

Follow the Tapa rules. Additionally, each letter in "TAPA LOGIC" (OAPC for the example) are crypted with a digit from 1 to 8 (0 to 4 for the example). Same letters mean the same digit, different letters mean different digits.

This one was designed for 2012 Tapa Master Palmer Mebane. It will be constructed with some physical materials and will transform into a trophy.

2. Neanderthal Tapa (38 + 89 points)

Follow the Tapa rules. Additionally, Neanderthals know only two kind of numbers: one (1) and many (+).

3. Tapa Islands (108 points)

Unpainted cells form separate areas surrounded by the wall. Each separate area may contain at most one clue cell. If there is a clue cell in an area, at least one digit should give the size of that area in unit squares.

4. Make Room for Pentapa (69 points)

Place the given pentominoes into the grid, exactly one per region with rotation/reflection allowed, to form a valid Tapa.
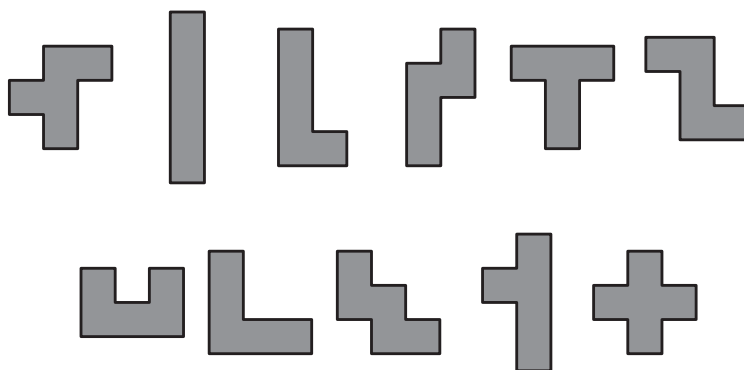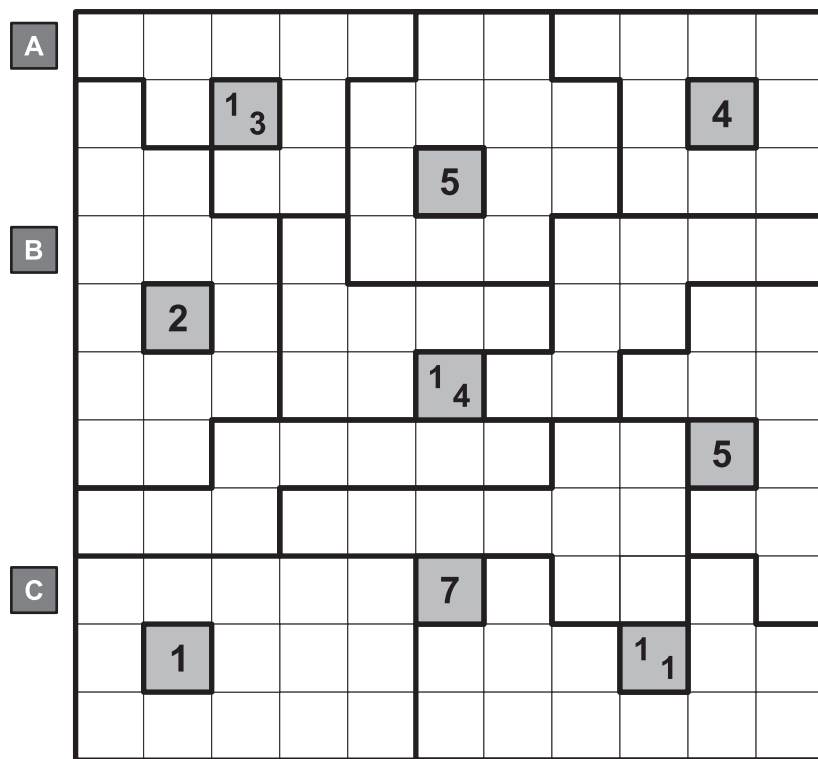
5. Pata (39 + 117 points)

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

Grid 1

Clues (reading by approximate position):
- Row 1: `1 2`, `3 3`, `2`
- Row 2: `2`
- Row 3: `1 1`
- Row 4 (A): `1 1`, `2 3`
- Row 5: `5`, `1`
- Row 6: `3 3`
- Row 7: `1 2`
- Row 8 (B): `5`, `2 3`, `1 2`

Grid 2

Clues (reading by approximate position):
- Row 1: `1`
- Row 2: `1 5`, `3`, `6`
- Row 3: `1 2`
- Row 5: `2 2`, `1 1 1`, `1 1`
- Row 6: `1 1 1`
- Row 7: `6`
- Row 8: `2`, `2 2`, `2 3`
- Row 10: `3 3`
- Row 11: `3`, `1 2`, `4`
- Row 12: `1`

6. Tapa Borderline (42 points)

Follow regular Tapa rules. Additionally, each Tapa clue is located on a border between multiple cells. This Tapa clue belongs in one of these cells. Determine which cell the clue belongs in and solve the puzzle.

7. Tapa Loop (47 + 57 points)

Follow regular Tapa rules. Additionally, draw a single closed loop passing through all blacken cells. The loop cannot touch or cross itself.

Grid 1 (A, B):

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

A, B labels on left side.

Grid 2 (A, B top labels):

	6			² ₂						
	² ₃		6		¹ ₄		7			
	7		7	¹₂²			² ₄			
			² ₄			4				
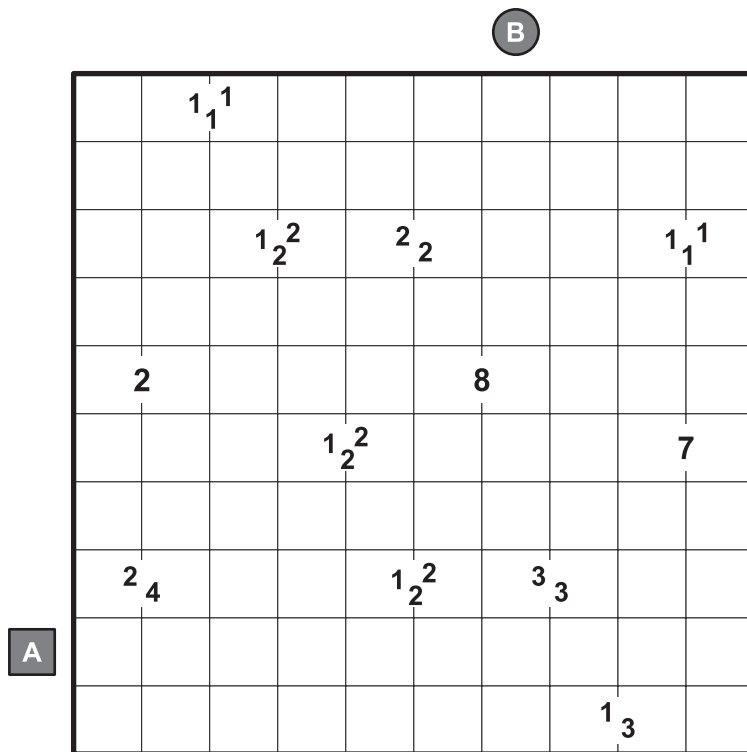
8. Tapa [Diagonal Neighbors] (60 + 81 points)

Follow regular Tapa rules. Additionally, every shaded cell must have at least one diagonally adjacent shaded cell.

A

Grid clues:
- $^1 5$
- 5
- $^2 3$
- $^2 3$
- $^1{}_2{}^1$
- 5
- 5
- $^2 3$
- $^1 4$
- $^2 2$

B

A

Grid clues:
- $^2 2$
- $^1 3$
- 3
- $^1 2$
- $^2 2$
- $^1{}_1{}^1$
- $^1 1$
- 3
- 2
- $^1 3$

9. Tapa Hamle (99 points)

Move every number in one of the four directions, so that each number indicates the length of its move. When all moves are done, numbered cells should not touch each other from the sides, but more than one number may be moved into the same cell. Solve a revealed Tapa with these numbers.

B

A

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

10. No Squares Tapa (36 points)

Follow regular Tapa rules. Additionally, no white cells can form a 2x2 square. Clue cells are white.

	2				4					
									$^1 4$	
			$^1 2$				$^2 2$			
	$^2 3$			$^1 3$		5				
				$^2 2$		$^1 4$			$^1 3$	
			$^2 2$				$^1 2$			
	$^1 4$									
					$^1 1$				3	

A
B