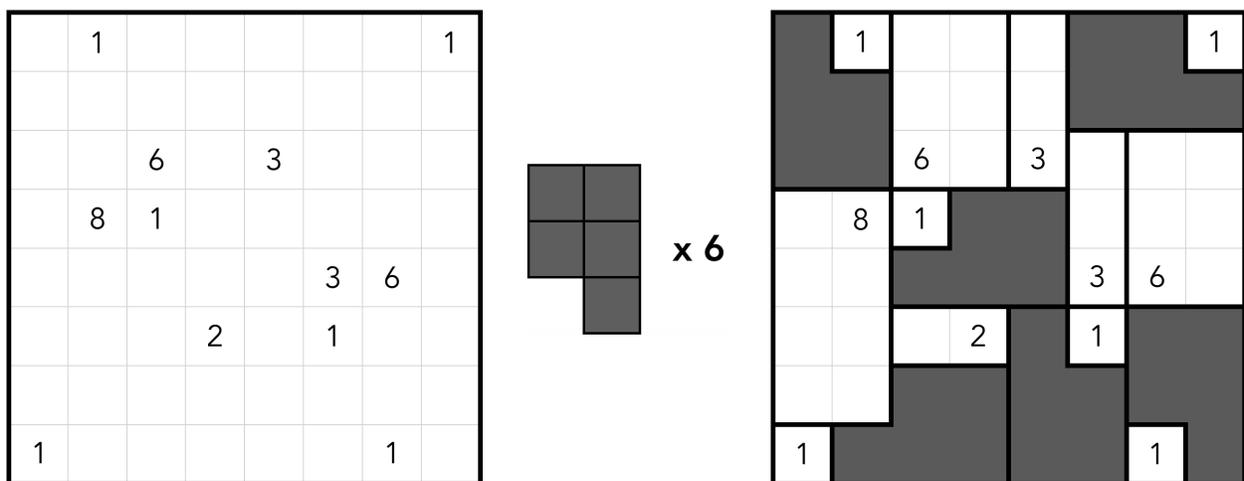# Shape Shikaku

By Walker Anderson

Shikaku is a pencil-and-paper logic puzzle published by Nikoli. The goal of the puzzle is to partition the grid into rectangles along the grid lines. Each rectangle contains exactly one clue number which gives its area. The solution is unique. (rules from mellowmelon.wordpress.com)
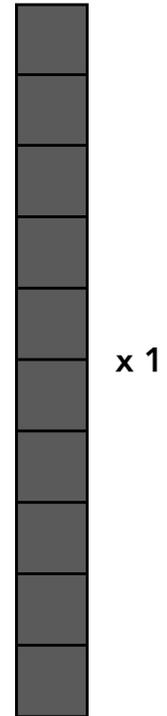
Shape Shikaku adds a change to these rules. Some of the squares in the grid will not be occupied by rectangles containing clue numbers. These squares must be copies of a shape that is provided to the right of the grid. The shape can be rotated and/ or reflected, but it cannot overlap other shapes or rectangles in the grid. The number of shapes placed in the grid is given.

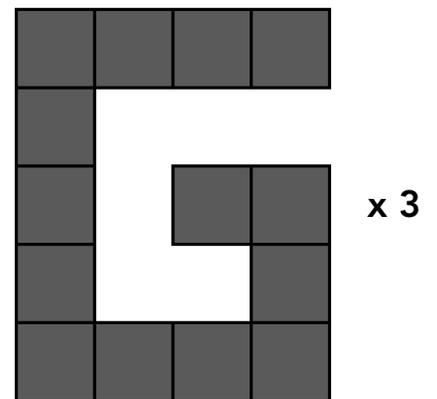Here is an example puzzle, and its solution:

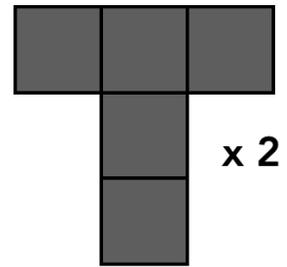# Long Division

6   12
4
8
10   4   6
6   4   4
4
6
8   8

x 1

G for Gardner

9   9
8   9
12
12
2   2
12   4

x 3

Zoom Lens

8							9
		5					
	5				5		
			3			2	
3				2			
		2				3	
	4			4			
		6				5	
				6			
9							9

x 2

Hardwood Floor

					7	4	
5							
4							
							2
							8
	2	8					

x 20