

Grades 1-4 (S), 5-8 (S)

Duration: 10-20 min

Tools: one Logifaces Set / 2-3 students

Individual work

Keywords: Rectangle, Trapezium

## 401 - Quadrilateral Faces



### MATHS / 2D GEOMETRY



LOGIFACES  
METHODOLOGY  
Erasmus+

# TEACHER

Logifaces

2019-1-HU01-KA201-0612722019-1

#### DESCRIPTION

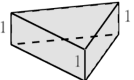
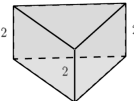
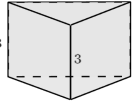

Students consider the vertical faces of the Logifaces blocks and collate the different rectangles and trapeziums they find, noting their side lengths.

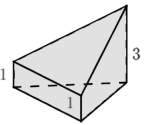
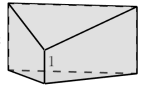
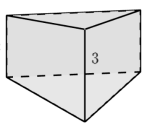
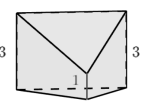
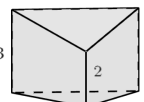
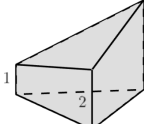
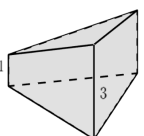
#### SOLUTIONS / EXAMPLES

There are three different rectangles with height 1, 2 and 3.

There are three different trapeziums with bases 1 and 2, 1 and 3 and 2 and 3.

The table below shows the number of rectangular and trapezium faces of the blocks.

Logifaces block	Rectangle			Trapezium		
	11	22	33	12	13	23
	3					
		3				
			3			
	1			2		

Logifaces block	Rectangle			Trapezium		
	11	22	33	12	13	23
	1				2	
		1		2		
		1				2
			1		2	
			1			2
				1	1	1
				1	1	1

PRIOR KNOWLEDGE

Rectangle, Trapezium

RECOMMENDATIONS / COMMENTS

Related task: [406 - Different Triangles](#) categorise the top faces.