


<p>Grades 3-4 (A), 5-8 (S), 9-12 (S)</p> <p>Duration: 30-45 min</p> <p>Tools: one 9 pcs or 16 pcs Set / pair</p> <p>Pair work</p> <p>Keywords: Prisms</p>	<h2>105 - Properties of the Blocks</h2> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 10px;">L</div> <div style="text-align: center;"> <h3>MATHS / INTRO</h3> </div> </div>	<div style="text-align: center;">  <p>LOGIFACES METHODOLOGY Erasmus+</p> <h1>TEACHER</h1> <h2>Logifaces</h2> <p>2019-1-HU01-KA201-0612722019-1</p> </div>
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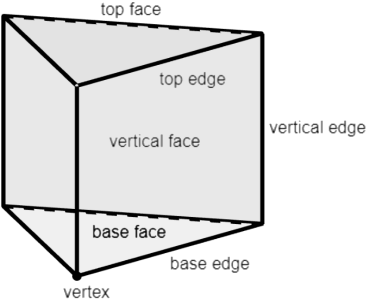
DESCRIPTION

The Logifaces blocks are used to demonstrate the parts (base, face, edge, vertex, etc.) and properties of prisms.

- Students work in pairs and each pair gets a Logifaces set to experiment with. Students measure and compare edges and sides of the blocks and notice that there are several types.
- Depending on the type, students notice that the vertical faces of the blocks differ: they can be rectangles or right-angled trapeziums.
- Each student chooses a block and draws a picture of it, marking a vertex, the base and top face, a vertical face and the different types of edges.

SOLUTIONS / EXAMPLES

- Types of Logifaces blocks based on vertical edges:
 - Blocks with vertical edges of the same height: block 111 and block 333 in the 16 pcs Set or block 222 in the 9 pcs Set
 - Blocks with vertical edges of 2 different heights: block 112, block 113, block 133, block 233, block 122, block 223
 - Blocks with vertical edges of 3 different heights: block 123 and block 132
- Types of Logifaces blocks based on vertical faces:
 - Blocks with rectangular faces: block 111, block 222 and block 333
 - Blocks with rectangular and trapezium faces: block 112, block 122, block 223, block 233, block 113, block 133
 - Blocks with only trapezium faces: block 123 and block 132
- Example of a drawing



PRIOR KNOWLEDGE

Basic geometrical knowledge of 2D shapes

RECOMMENDATIONS / COMMENTS