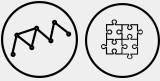



<p>Name:</p> <p>Date:</p> <p>Tools: one Logifaces Set / 1-2 student</p>	<p>211 - Graph from Shape</p>  <p><b>MATHS / GRAPHS</b></p>	 <p>LOGIFACES METHODOLOGY</p> <p>Erasmus+</p> <p><b>STUDENT</b> Logifaces</p> <p>2019-1-HU01-KA201-0612722019-1</p>
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#### DESCRIPTION

1. Every student (or pair) gets a Logifaces set, and builds a continuous surface of their choice.
2. Each student puts a tracing paper (or normal paper) above their construction, and draws a point in the middle of each triangle. Teacher explains that these are called the vertices of the graph, and asks them to write 'vertex' pointing to some of them.
3. Students find two pieces in their construction that touch back to back (with a whole face), and connect corresponding vertices on the paper. They repeat this for all pieces. Teacher explains that these are called the edges of the graph, and asks them to write 'edge' pointing to some of them.
4. Teacher asks students to choose a vertex, and count the number of edges arriving at that vertex. This is the degree of the vertex. Students write the degree to each vertex, and write 'degree' pointing to some of them.

#### SOLUTION(S)