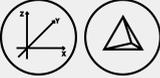| Name: Date: Tools: one Logifaces Set / class, Geogebra	527 - Coordinates in GeoGebra **MATHS / COORDINATE GEOMETRY**	LOGIFACES METHODOLOGY Erasmus+ STUDENT Logifaces 2019-1-HU01-KA201-0612722019-1

DESCRIPTION

Students draw the Logifaces blocks in GeoGebra so that one vertex of the base is at the origin and another vertex of the base is at (4, 0, 0).

LEVEL 1   Students calculate the coordinates of the vertices, plot them and connect the endpoints of the edges by a segment in GeoGebra.

LEVEL 2   Students calculate the coordinates of the vertices, then connect the vertices of each face using the polygon command in GeoGebra.

Students calculate the coordinates of the vertices, then connect the vertices of each face using the polygon command in GeoGebra.

This step allows us to determine the areas of the polygons or the surface area of the polyhedron easily, see exercise 528 - Read the Results in GeoGebra.

LEVEL 3   Students calculate the coordinates of the vertices, then connect the vertices of the polyhedron.

HINT   For the blocks of truncated prism shape, create a prism and a pyramid, these are built-in commands in GeoGebra.

This step allows us to calculate the volume of the polyhedron easily, see exercise 528 - Read the Results in GeoGebra.

SOLUTION(S)