

Grades 9-12 (S)

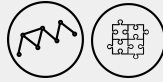
Duration: 15 min

Tools: one Logifaces Set / 1-2 student

Individual / Pair work

Keywords: Graph, Edge, Vertex

212 - Shape from Graph



MATHS / GRAPHS



LOGIFACES
METHODOLOGY
Erasmus+

TEACHER
Logifaces

2019-1-HU01-KA201-0612722019-1

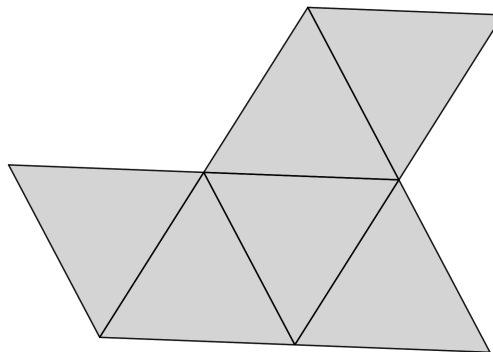
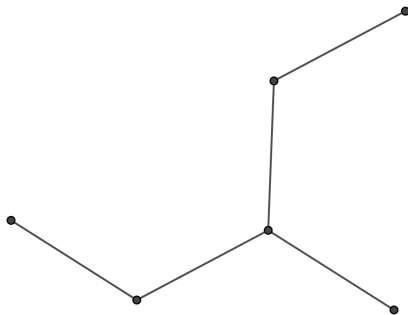
DESCRIPTION

If students previously did exercise [211 - Graph from Shape](#), then the teacher distributes graphs prepared in a way that each student gets someone else's. They need to build a construction corresponding to that graph.

If students previously did not do exercise [211 - Graph from Shape](#), then each student builds a continuous surface of their choice, and draws the corresponding graph: they put tracing paper (or normal paper) above the construction, vertices will be the midpoints of triangles, and they will draw edges between them if the two pieces touch back to back (with a whole face). Once the graphs are complete, students exchange the drawings with their classmates. They need to build a construction corresponding to their new graph.

SOLUTIONS / EXAMPLES

Students create the construction according to the pictures below.



PRIOR KNOWLEDGE

None

RECOMMENDATIONS / COMMENTS