

Grades 5-8 (S)

Duration: 20 min

Tools: one block / student, ruler, compass

Individual work

Keywords: Polygons, Nets

505 - Net Drawing



MATHS / NET



LOGIFACES
METHODOLOGY
Erasmus+

TEACHER
Logifaces

2019-1-HU01-KA201-0612722019-1

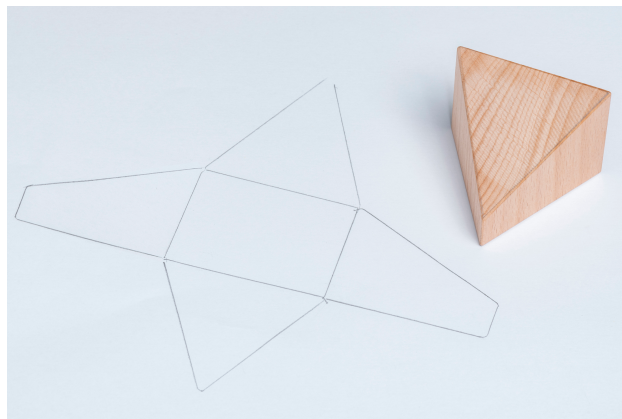
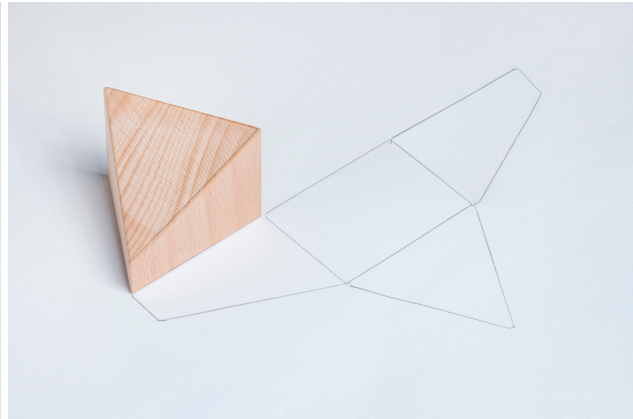
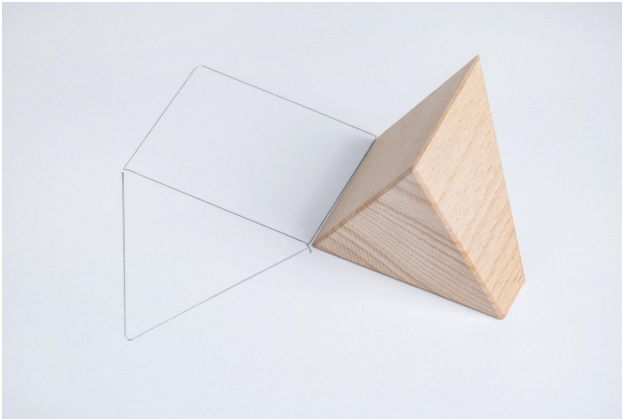
DESCRIPTION

Students choose a block from the set and draw a net of the block.

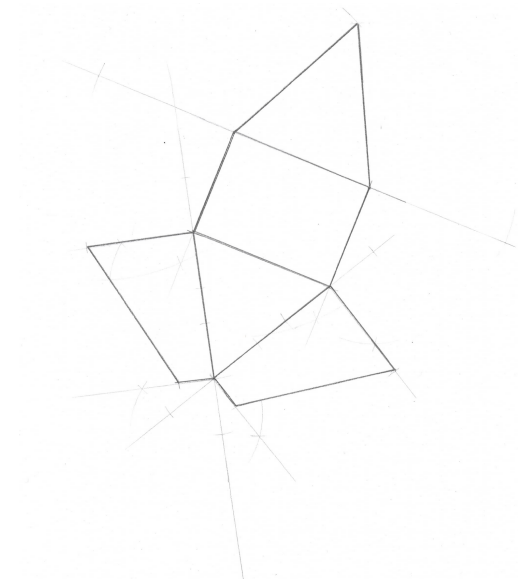
- LEVEL 1** They place the block on a sheet of paper and trace the outline. Then they tilt the block around one edge and draw the outline again, repeating this until the whole surface is drawn. Different ways of drawing the surface can be compared. They need to pay attention not to draw any face twice.
- LEVEL 2** First students measure the lengths of the edges of the block, then draw the surface of the block with the exact lengths of the sides using a ruler and a compass, using only the allowed steps of geometric constructions.

SOLUTIONS / EXAMPLES

- LEVEL 1** The images below show the different phases of the solution for block 133.



LEVEL 2 Students use ruler and compass to draw the net, like in the figure below, where you can see an example for the net of the block 133:



PRIOR KNOWLEDGE

Net of a polyhedron, Use of a ruler, Measuring with a compass

RECOMMENDATIONS / COMMENTS

Exercise [510 - Nets of Prism](#) is recommended after this exercise to find all the nets of a block.