

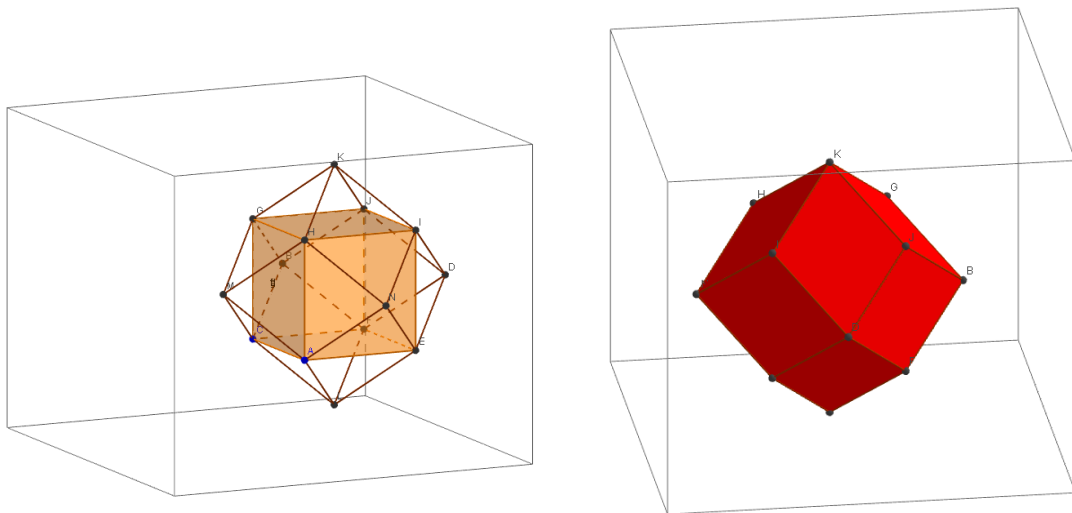
FILL THE GAP!

GeoGebra Action Package (GAP) for the ADVENTURES ON PAPER exercise book

Rinus Roelofs: Leonardo's Elevated Polyhedra Models

Exercise1: Leonardo's graphics in GeoGebra (Rinus1.ggb)

Construct a cube in GeoGebra 3D and attach a four-sided pyramid to each of its 6 sides. The sides of the cubes are the bases of the pyramids. What should be the pyramid's height if we would like that the sides of the different pyramids connected in their edges make up one single plane? Create the figure first so that only the structure of the pyramid's edges and the cube is visible (left), then only the pyramids (right). What is the red shape called (right)?



Make the construction that way as well that the height of the pyramid is changed with the slide.
(Rinus2.ggb)

