

# POLYHEDRA

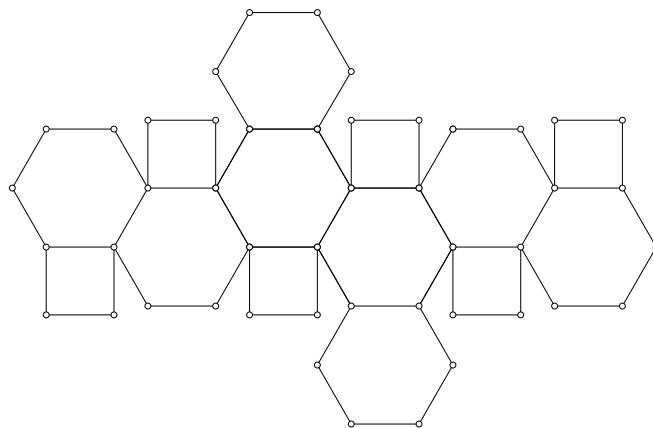
Geo-Pro contains several regular polygons of side length 3 cm.

These polygons may be easily drawn onto card by first marking the corner points. As they have identical side lengths, they can be used to construct polyhedra, or 3D models.

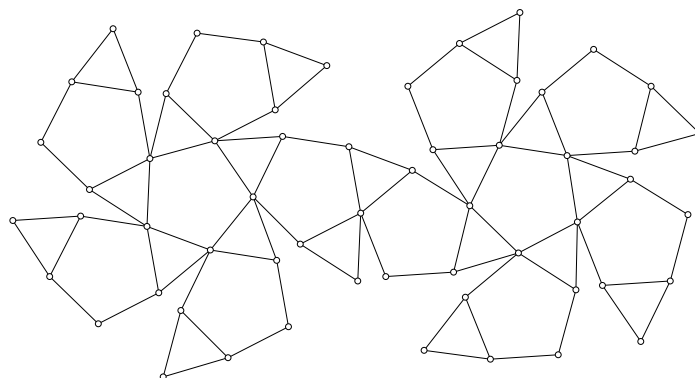
The plans for building polyhedra are known as 'nets'.

To build a polyhedron, simply use the appropriate corner holes on Geo-Pro to draw the net onto suitable card (score the edges with a pen to make folding easier), cut it out, and tape adjacent edges together.

The nets for a couple of polyhedra are shown below. You may wish to investigate others in various geometry books (or online at <http://maths-pro.webs.com>).



Net for a Truncated Octahedron.



Net for an Icosidodecahedron.

Try to build one or more polyhedra using Geo-Pro and the nets above or an alternative reference. Your teacher may arrange a display of some of your models.