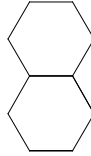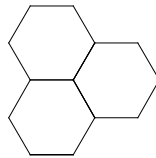# POLYHEXES

A polyhex, as the name suggests, is a shape made up of regular hexagons.
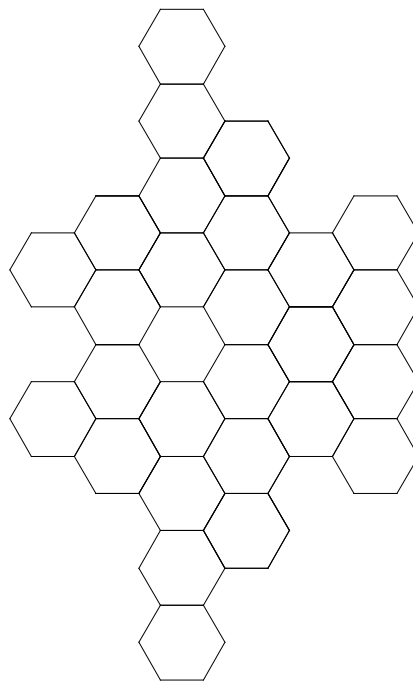
There is only one 'duohex'.

1. There are 3 'trihexes', one of which is shown below. Use Geo-Pro's regular 1 cm hexagon to draw the other two.

2. Suggested names for the seven tetrahexes are :
   Wave, Propeller, Arch, Bar, Bee, Pistol and Worm. Sketch as many tetrahexes as you can and try to match each with one of these names.

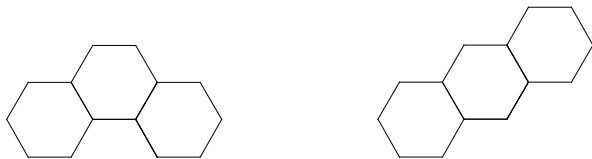3. Draw a diagram to show how the seven tetrahexes form the following 'aircraft shape'.
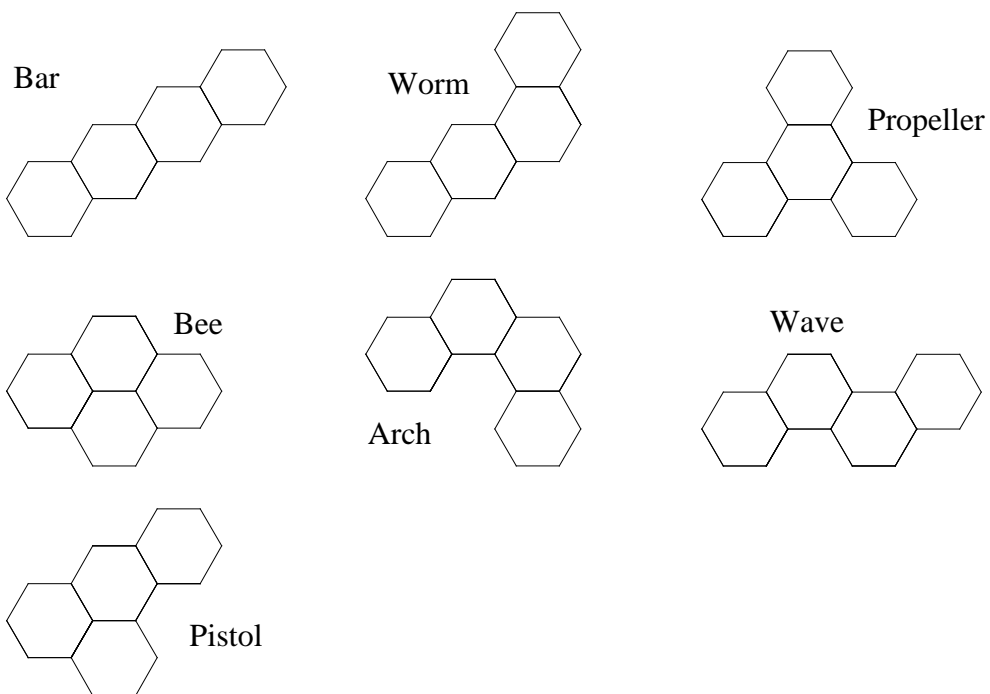

Extension.
Construct your own shapes made up of the seven tetrahexes. Draw only the outline and see if one of your classmates can draw the individual tetrahexes inside your combination shape.

Answers
POLYHEXES

1.

2.

Bar

Worm

Propeller

Bee

Arch

Wave

Pistol

3.