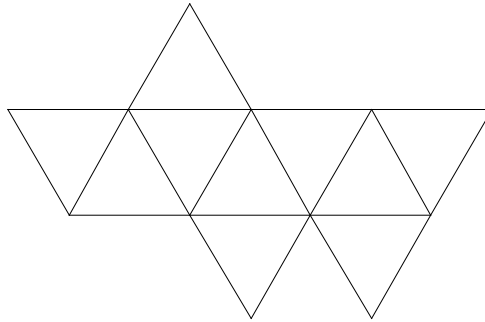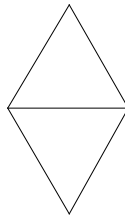# POLYIAMONDS

A poly**iamond** is a shape formed by equilateral triangles joined fully along touching edges.

A polyiamond.

There is only one possible 'd**iamond**' (a two triangle polyiamond).

The only "diamond".

Geo-Pro's equilateral triangles may be used to construct polyiamonds.
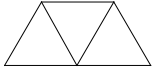
1.   How many triamonds (3 triangles) are there?

2.   Draw all possible tetriamonds (4 triangles).

3.   Draw all possible pentiamonds (5 triangles).

4.   Draw as many of the 12 hexiamonds as you can. Make up a name to describe each one.
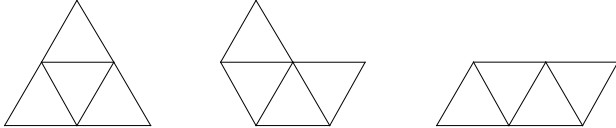
***Extension.**__
How many heptiamonds (7 triangles) are there?
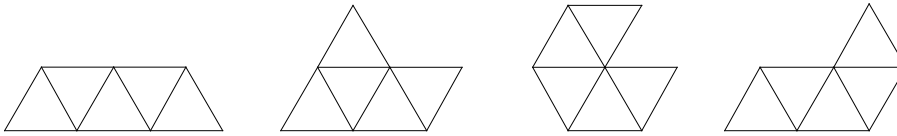
Answers
POLYIAMONDS
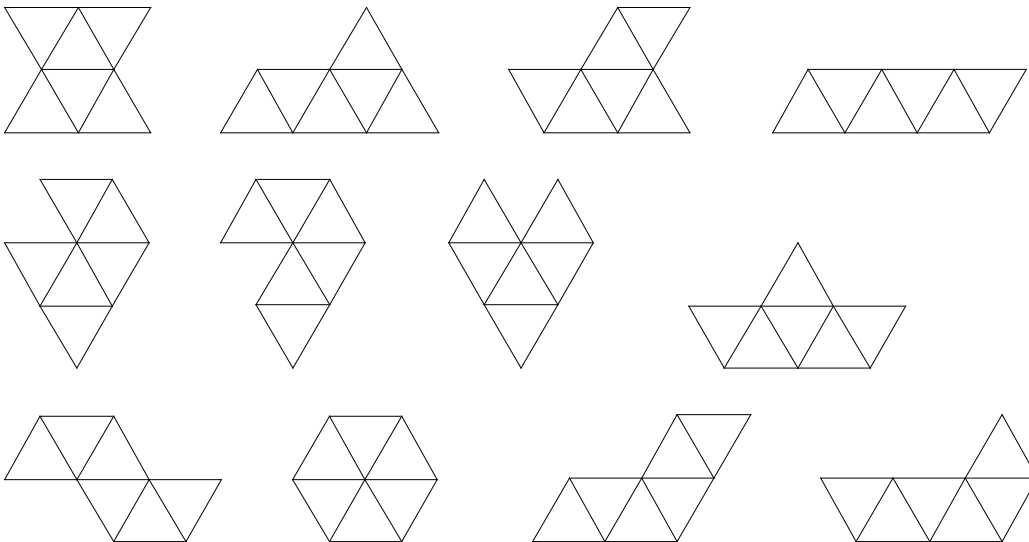
1. There is only one possible triamond.

2. The 3 tetriamonds.

3. The 4 pentiamonds.

4. The 12 hexiamonds.

Extension.
There are 24 heptiamonds.