# Cutting and Sticking.
Triangles from a square

Simple cutting from a common square to make isosceles triangles to fit on a basic square grid. Collectively these can be grouped together to make a Mackintosh tree.

Begin with lots of pre-cut squares all the same size so that they will fit together. They can be different colours.

1. Fold a square edge to edge.
2. Cut corner to corner.
3. Open out the folded triangle.
4. Pick up the two half triangles.

1.

2.

3

4.
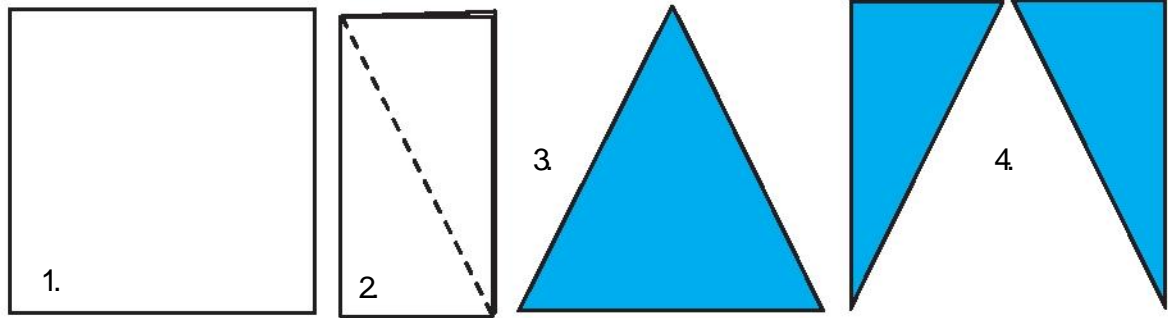
The two halves can go back to back to make a new triangle or be left open to make the negative.

A second type of triangle from the same squares can be cut by first drawing from corner to corner and then cutting. The long edges will fit the grid.
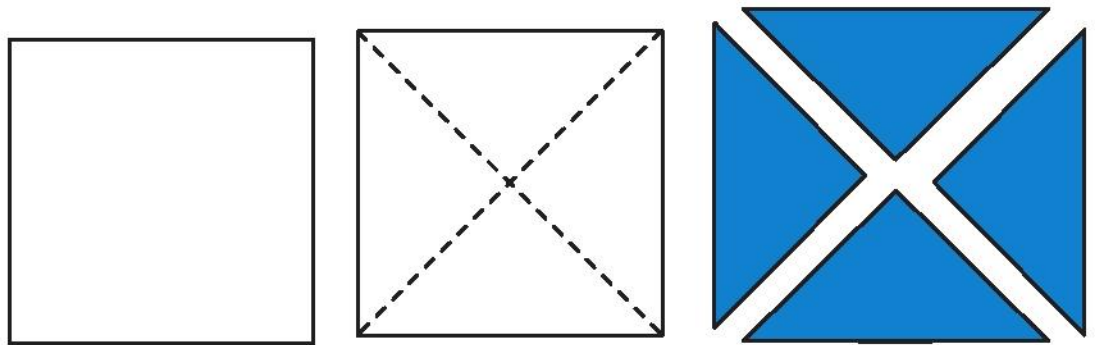
Besides the obvious pattern making potential and sequencing, this activity naturally relates to symmetry as it utilises a clear axis.

Children can work on a grid half the size of the initial square or on ruled lines preferably also of half height. This facilitates careful overlapping and fitting shapes into the spaces.