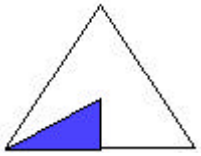
AMOUNT OF SIMMETRY-2

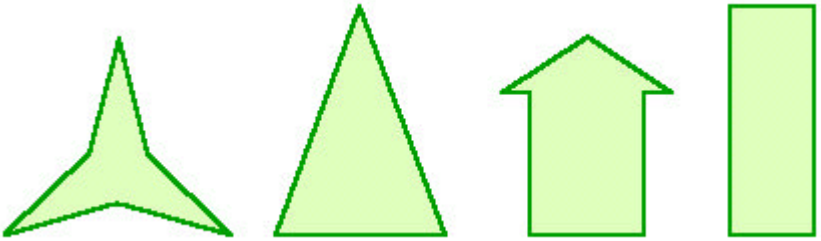
Another way to know the amount of symmetry of a figure consists in locating the smallest piece of the shape that, by means of rotations and reflections, allows us to reconstruct the whole shape. Thus, the amount of symmetry of a shape is also the number of small pieces that allow us to reconstruct the complete shape, by means of the rotation and the reflection of one of them.



The equilateral triangle has six symmetries: when rotating or reflecting the specified piece (repeating it six times) we can reconstruct the initial triangle. The equilateral triangle has three axes of symmetry and a rotational symmetry of 120º and 240º.

Find out, in the following shapes, the smallest piece that, when rotating or reflecting it, can allow you to reconstruct the whole shape.

✍✍ **Copy** the following shapes in your squared paper and **work out** the amount of symmetry; **point out** the axes and the rotational symmetry angles of each shape.



YOU WILL NEED: A pencil and a squared paper