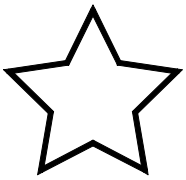
Rotational Symmetry

2D·5

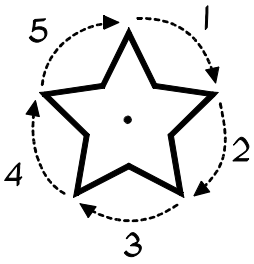


This shape has **rotational symmetry**.

If you rotate the shape it will fit on top of itself.

The shape has to be turned **5** times to get back to where it started.

The **order of rotational symmetry** is **5**.



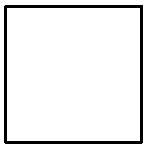
The dot is the centre of rotation.

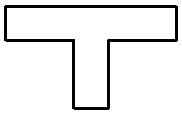
Look at the shapes below. Decide which ones have rotational symmetry.

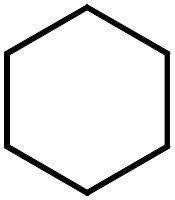
[1] Mark the **centre of rotation.**

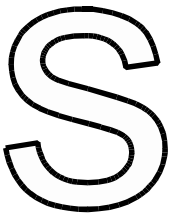
[2] Write down the **order** of rotational symmetry.

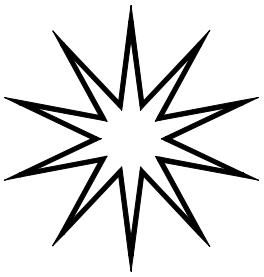
You could trace the shapes and try spinning the paper.

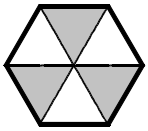


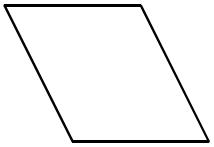


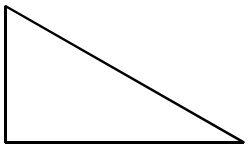












[3] Some of the shapes also have **reflective** symmetry.

Draw the **lines of symmetry** onto those shapes.

One of the shapes has no symmetry.