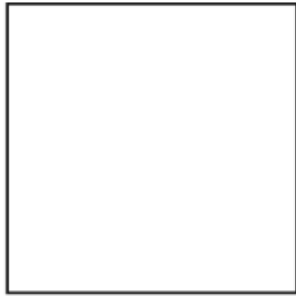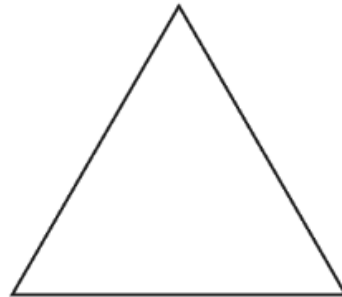# What is symmetry

A 2D shape is **symmetrical** if a **line** can be drawn through it so that either side of the **line** looks <u>exactly the same</u>. The **line** is called a **line of symmetry**.
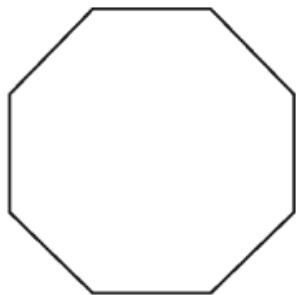
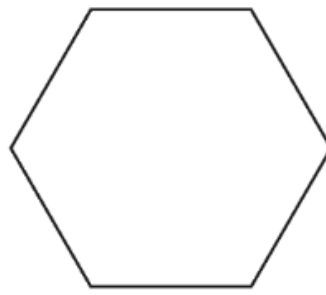In your sketch book copy out these shapes carefully, then mark on lines of symmetry.

a A square has _____ lines of symmetry.

b An equilateral triangle has _____ lines of symmetry.

c An octagon has _____ lines of symmetry.

d A hexagon has _____ lines of symmetry.

Task 1: Try paper folding, once you have had a go at drawing lines of symmetry on to your shapes in your books, redo them on a piece of paper then try folding in different way to find more lines of symmetry.

Task 2: Watch the video https://www.youtube.com/watch?v=e5xgEiH58Ag that shows ideas about symmetry folding ideas.

Once you have watched the video, have a go at making your own shape symmetry ideas.