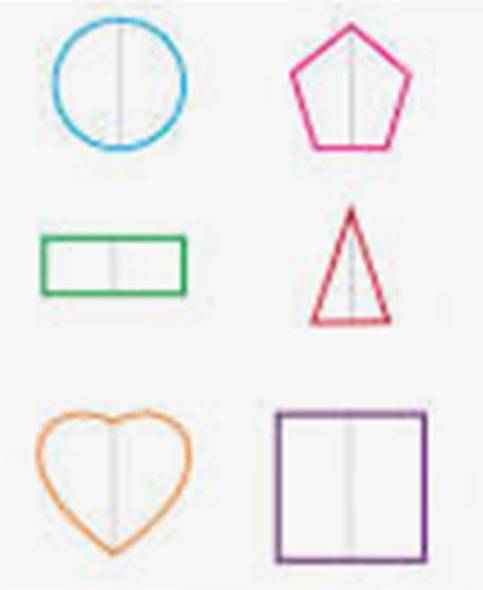
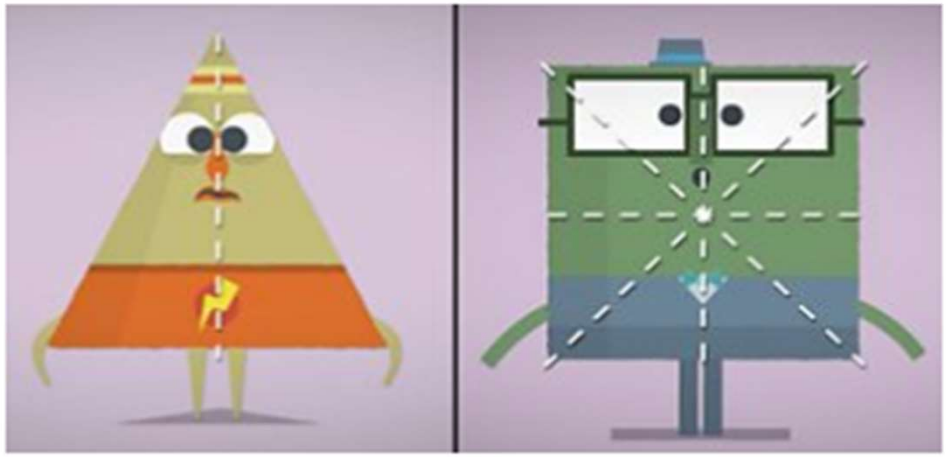
What is Symmetry?



**What is symmetry**? Something is **symmetrical** when it is the same on both sides. A shape has **symmetry** if a central dividing line (a mirror line) can be drawn on it, to show that both sides of the shape are exactly the same.



## Symmetry

**A 2D shape is symmetrical if a line can be drawn through it and either side is a reflection of the other.**

The line is called a line of symmetry.

This is sometimes called a 'mirror line' or 'mirror symmetry', because if you put a mirror on the line, the reflection would show the whole shape.

- An isosceles triangle has 1 line of symmetry.
- A square has 4 lines of symmetry.
- A circle has unlimited lines of symmetry!