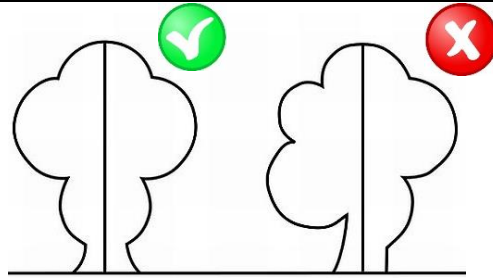
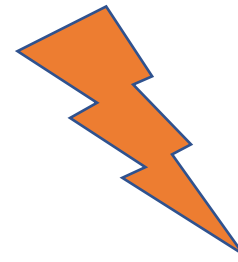
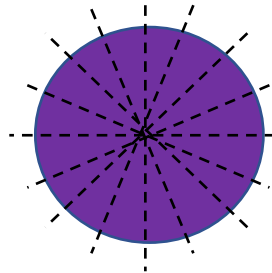
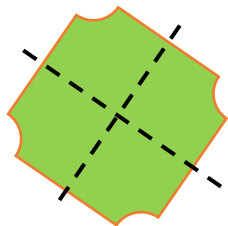
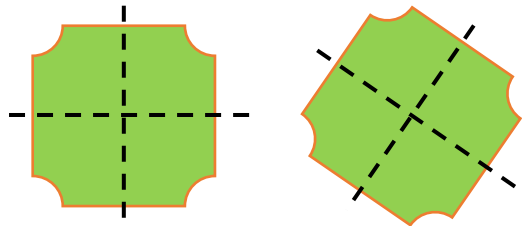
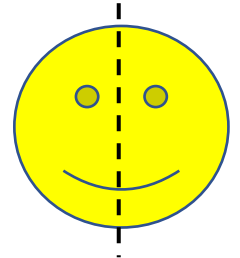


Y4 – PROPERTIES OF SHAPE: symmetry

Something is **symmetrical** when it is exactly the same on both sides.



You can check if something is symmetrical by drawing a **mirror line** down the middle.



The **orientation** of the shape does not change the lines of symmetry.








Some shapes have many **lines of symmetry**.

Some shapes have no **lines of symmetry**.

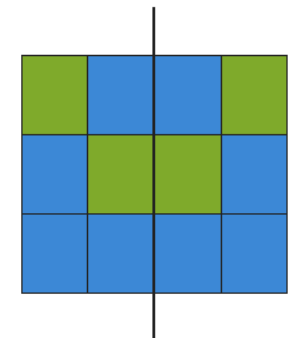
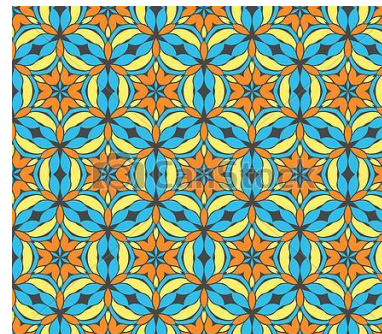
VOCABULARY

- symmetrical
- lines of symmetry
- mirror line
- vertical
- horizontal
- diagonal
- orientation
- classify
- pattern
- mirror image

We can sort or **classify** shapes according to how many lines of symmetry they have.

	has one line of symmetry or more	has no line of symmetry
has four sides or more	 	 
has less than four sides	 	

Symmetrical patterns...



We can make a symmetrical pattern by completing a **mirror image**.