

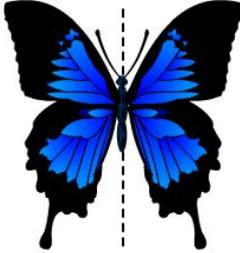
# Intro to Symmetry

# What is symmetry?

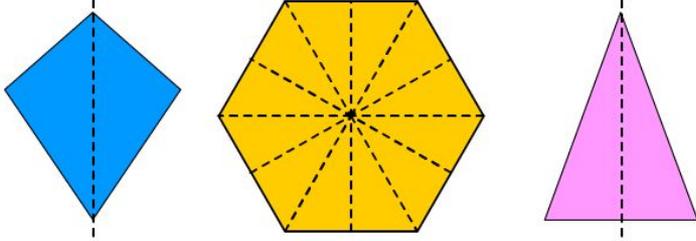
**Symmetry** is when an object looks the exact same on one side as the other. To see if an object is **symmetrical**, you draw a line of **symmetry** or a line dividing an object to show a perfect match on each side. It's like making a mirror image.

**symmetry**

Symmetry is having one side that exactly mirrors the other.



A line of symmetry divides a symmetrical shape in half.



An object may have more than one line of symmetry.

**S H A P E**

x ✓ ✓ x ✓

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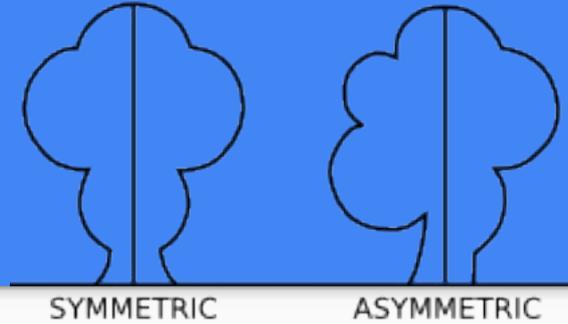
# Lesson 1:

Watch this video all about symmetry and see if you can answer the following questions.

<https://www.youtube.com/watch?v=YFzktJNmnPU>

1. What do we call a shape that has no lines of symmetry?
2. Can a shape have more than 1 line of symmetry?
3. Can you name a 2D shape that has more than 1 line of symmetry?
4. Make a list of 10 objects in your house that are symmetrical?
5. Draw a picture of one of these objects and include 1 line of symmetry.

# What have we learned?



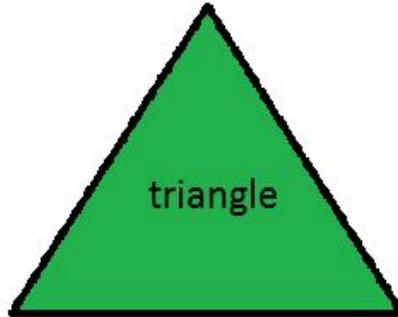
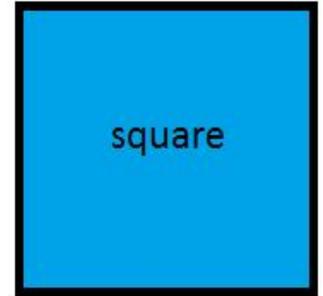
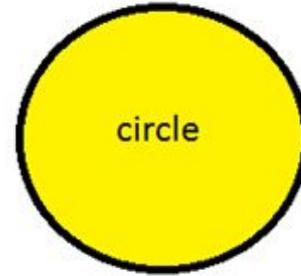
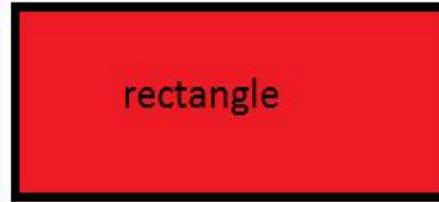
1. A shape that has **at least 1** line of symmetry is **symmetrical**.
2. A shape that has **no** lines of symmetry is **Asymmetrical**
3. A shape can have more than one line of symmetry.
4. An example of a 2D shape that has more than 1 line of symmetry is a square/ rectangle/ circle / equilateral triangle/ pentagon/ hexagon/ oval and many more.
5. Examples of Symmetry are all around us.
6. A line of symmetry always goes through the center point of a shape.

## Lesson 2

Draw each of these 2D shapes using a ruler (except for the circle) and show where the line (or lines) of symmetry is.

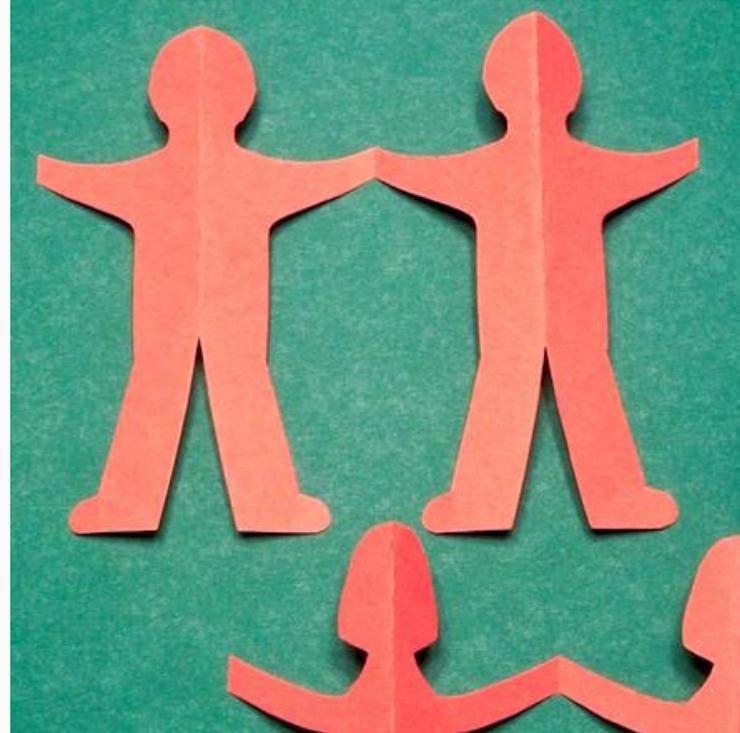
\*\*\*Top Tip \*\*\*

To see if you are correct, cut out the shape, fold the shape along the line of symmetry and see if they match on both sides.



**Answer these questions based on your drawings.**

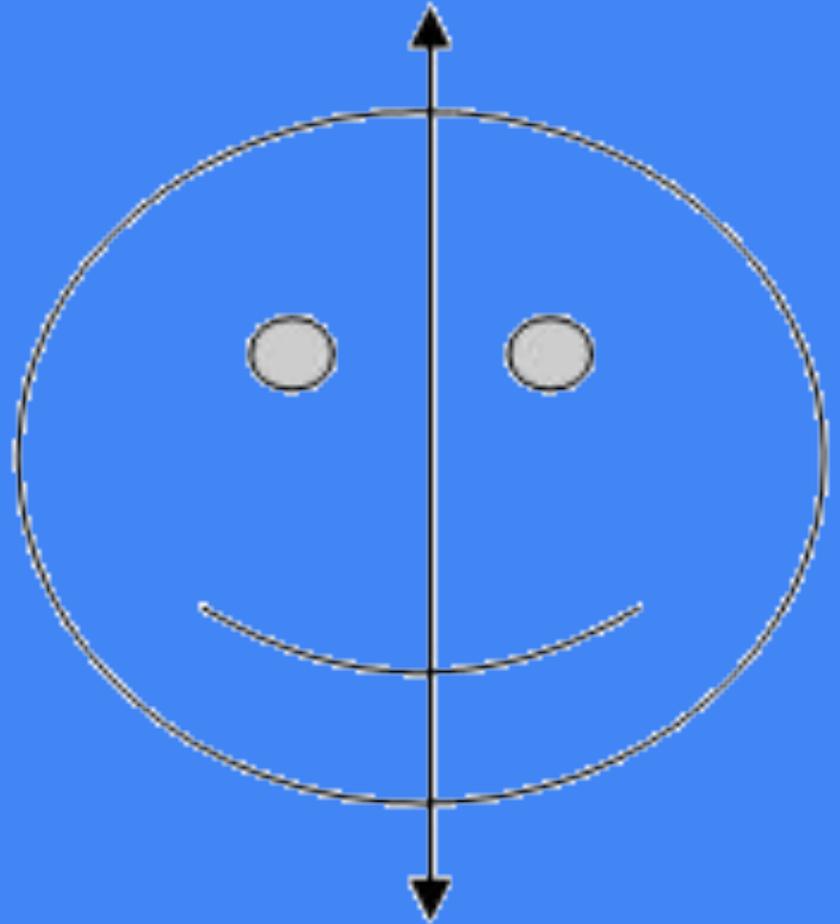
1. Were all the shapes Symmetrical or Asymmetrical?
2. How many lines of symmetry does a rectangle have?
3. Which shape has the most lines of symmetry?



# Lesson 3

Go to page 137 of Planet Maths  
and work on activity A,B and C.

Remember to always read the  
questions carefully.



# Lesson 4

Draw and colour your own symmetrical picture. Start by drawing a vertical or horizontal line through the center of your page.

