

Can you.....?

- Name 2-D shapes up to 8 sides and identify how many sides and vertices (corners) they have.
- Name 3-D shapes and identify how many faces, vertices and edges (where 2 faces meet or a face and a curved surface meet) they have.

Finish the shape!

Here is part of a shape. How many ways can you complete the shape using 1 or more straight line? Can you name the shapes you have drawn?

Here are 18 lollipop sticks.
How many hexagons can you make?



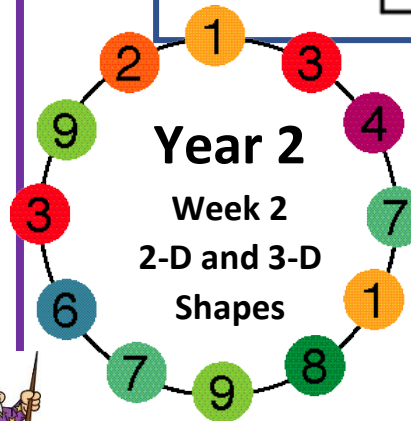
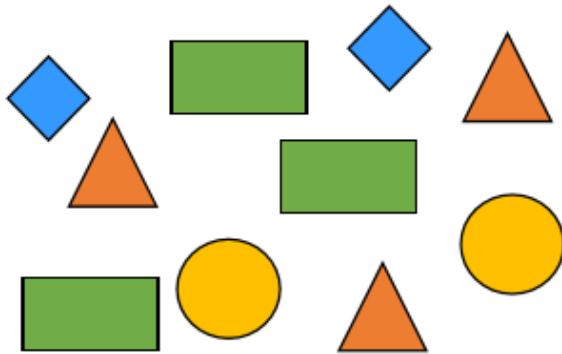
How many octagons can you make?

What other shapes can you make with 18 lollipop sticks?

If you do not have lollipop sticks, cut up 18 strips of paper

Repeating Patterns

How many different ways can you arrange these shapes to make a repeating pattern?



Practical learning!

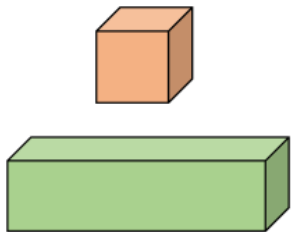
We're going on a shape hunt!

Using your house or garden, how many of each 2-D or 3-D shape can you find in your home environment?

You can keep a record of your shape hunt in whichever way you would prefer. You could keep a tally, take photographs or even create your own shape hunt poster!

Good luck hunters!

Problem solving and reasoning



Compare these pairs of 3-D shapes.

What is the **same** and what is **different** about each pair?



<https://www.topmarks.co.uk/ordering-and-sequencing/shape-patterns>

http://vtcpsa.hwb.wales.gov.uk/maerdy_2d/e_index.html

<https://www.bbc.co.uk/bitesize/clips/zh26sbk>

<https://whiterosemaths.com/>