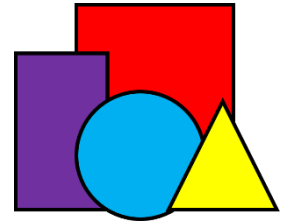




# Marvellous Maths

Week Beginning 8<sup>th</sup> March 2021



| Day   | Activity  |
|-------|---|
| Day 1 | Talk about the shapes on the 2d shape card below with an adult. Count how many corners and how many sides the different shapes have. <i>Are the sides straight or curved? Are the sides all the same length?</i> Describe one of the shapes and see if your adult can guess which one you are talking about. Now ask them to describe one for you.  |
| Day 2 | Go on a 2d shape hunt! Remember that 2d shapes are shapes that we see in the world around us but we can't pick them up. Walk around your house or garden and look for different shapes. What shapes can you see? For example, "I see a window – it is a rectangle". <i>How many different shapes can you see? How do you know it is that shape?</i> Adults – encourage your child to talk about the sides and corners of the shape when answering this question. Extra challenge: Draw and label the shapes you find. |
| Day 3 | Find some sticks or ask an adult to cut some long, thin strips of paper. <i>How many different triangles can you make with them?</i> Remember that a triangle has 3 sides and 3 corners. Now try making rectangles. <i>Can you make a circle with your straight pieces?</i> You could also try this on the Geoboard app: <a href="https://www.mathlearningcenter.org/resources/apps/geoboard">https://www.mathlearningcenter.org/resources/apps/geoboard</a>  |
| Day 4 | Go on a 3d shape hunt. The kitchen is a good place to start – look for tins and boxes. When you have found a selection of items look at the shape card below with an adult to find out what they are called. The flat surfaces of a 3d shape are called faces – how many faces does your shape have? How many curved surfaces does it have? Extra challenge: Draw and label the shapes you find.  |
| Day 5 | Find some 3d shapes (they could be the same as yesterday). Find a space on the floor or table and try to roll them to another person. Sort them into shapes that roll without leaving the floor and shapes that don't. What do you notice about the shapes in each set? Adults – encourage your child to talk about flat and curved surfaces.   |

When talking about shapes, using the correct mathematical language is very important, e.g. curved, flat, straight. The words in *italics* are ideas for questions to ask your child.

## 2D Shapes



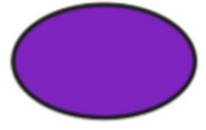
circle



rectangle



triangle



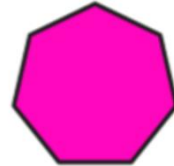
oval



octagon



square



heptagon



rhombus



pentagon



hexagon



kite

## 3D Shapes



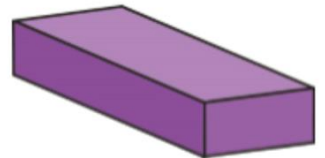
square-based pyramid



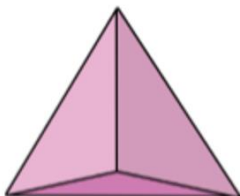
triangular prism



cone



cuboid



tetrahedron



cube



cylinder



sphere