

Maths Challenges Summer Term 2019-2020

Week 4

Focus	Challenge 1	Challenge 2	Challenge 3
Exploring shapes	<p style="color: blue;">To explore the properties of 2D and 3D shapes</p> <ul style="list-style-type: none"> • Sort kitchen items into 3D sets of cubes, cuboids, spheres or cylinders • Play 'Guess the name of the shape?' by putting an item in a bag and feeling it • Draw around the base of 3D kitchen items and identify the 2D shape • Identify any right angles on 3D shapes by putting a square piece of paper in each corner (vertices) -If it fits exactly, it's a right angle • Explore the nets of 3D shapes by carefully opening up a box. Count the number of faces and identify the 2D shape(s) that form the net. 	<p style="color: blue;">To explore the properties of 2D and 3D shapes</p> <ul style="list-style-type: none"> • Make a tally of how many cubes, cuboids spheres or cylinders you can find in different rooms of your house • Identify the number of faces, vertices and sides each 3D shape has • Identify the total number of right angles on 3D items in your home • Explore the nets of 3D shapes by carefully opening up a box. Can you remake the 3D shape from the net? • Draw some 2D shapes and cut them out. Try to fold them in half-if both sides match they are symmetrical 	<p style="color: blue;">To explore the properties of 2D and 3D shapes</p> <ul style="list-style-type: none"> • Play 'Guess the name of a shape' by describing a shapes properties to your partner • Identify vertical, horizontal or parallel lines in your home • Identify items that have right angles, acute or obtuse angles • Try to make your own net of a 3D shape • Draw squares and rectangles and fold to make a triangle • Draw as many quadrilaterals as you can (shapes with 4 sides) • Identify regular and irregular shapes (regular shapes=sides of same length)