

# Mathematics Summer Term



**In Reception** we have been very busy learning all about shape, space and measures. We can find the length and height of objects using non-standard and some standard units. We know how much liquid a container can hold and can talk about whether it is full or half full. We have also explored how to weigh using balances and scales. We have had fun with money; using vocabulary related to buying and selling and adding and subtracting using coins.



**In Year 1** we have been applying our understanding of addition and subtraction find missing numbers in calculations. We have been recognising and naming common 2-D and 3-D shapes; exploring what makes them the same and what makes them different. We can now use the vocabulary related to 2D and 3D shapes more confidently.

We applied our new vocabulary when we were learning how to measure the height and length of towers.

**In Year 2** we have identified and described the properties of 2-D shapes, including number of sides and line symmetry We have identified and described the properties of 3-D shapes. We can compare and sort common 2-D and 3-D shapes. We have been using mathematical vocabulary to describe position, direction and movement, including movement in a straight line. We can discuss rotation as a turn and in terms of right angles for quarter, half and three-quarter turns.



**In Year 3** we recognise that angles are a property of shape or a description of a turn. We can identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn. We can identify whether angles are greater than or less than a right angle. We have been identifying horizontal and vertical lines and pairs of perpendicular and parallel lines. We are learning to measure the perimeter of simple 2-D shapes.

**In Year 4 we can** compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. We can identify acute and obtuse angles and compare and order angles up to two right angles by size. We have been identifying lines of symmetry in 2-D shapes in different orientations. We can measure and calculate the perimeter and find the area of rectilinear shapes by counting squares.

**In Year 5** we know angles are measured in degrees and can estimate and compare acute, obtuse and reflex angles. We can draw given angles, and measure them in degrees. We can identify: angles at a point, in one whole turn, on a straight line and use this to find missing angles. We can also identify, describe and present the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed. We are continuing to reason about fractions and created a fraction museum to demonstrate our understanding.



**In Year 6** we have been drawing 2-D shapes using given dimensions and angles and can recognise, describe and build simple 3-D shapes, including making nets. We can compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons. We have been naming parts of circles, including radius, diameter and circumference. We have been finding missing angles and exploring coordinates.