This term we will be focusing on **fractions**. Here are the key objectives that we will be covering:

- To compare and order fractions whose denominators are all multiples of the same number.
- To identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.
- To read and write decimal numbers as fractions (for example, 0.71 = 71/100).

- Fractions

ivities & Games:

- To recognise mixed numbers (e.g. 2 and 3/7) and improper fractions 17/7) and convert from one form to the other; write mathematical statements > 1 as a mixed number: 2/5 + 4/5 = 6/5 = 11/5.
- To add and subtract fractions with the same denominator and multiples of the same number.
- To multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.

4 Here is a bowl of fruit. Half of the pieces of fruit in the bowl are apples. There are also 3 oranges, 2 pears and a banana. How many apples are there in the bowl? If, instead, one quarter were apples and one quarter were oranges and there were also 4 bananas, 3 pears and 3 plums, how many would be apples now?

★ Smarties fractions - Empty out a tube of Smarties and count how many smarties you have. This is your whole; when writing fractions it will be the number on the bottom which is called the denominator. Now, which colour sweet do you have most of? Which do you have the least of? Can you arrange them in piles based on their colour? Now write what fraction you have of each colour. Can you write the a=same fraction but in a different way? e.g. 7/35 (or 1/5) of my smarties are blue.

 \Rightarrow \Rightarrow Use the lines on this figure to show how the pattern of triangles can be used to divide the square into two halves, three thirds, six sixths and nine ninths. More lines are needed to divide it into four quarters. How many ways can you divide it into halves using just the lines given?

 \bigstar the midpoint of each of the opposite sides. The two midpoints were then joined with another line to create four triangles. What fraction of the square is each of the triangles? Can you work out how the second shape was created?

What shape has been made in the middle? What fraction of the square is this shape?









Fractions Converting fractions to decimals Equivalent fractions

Whilst it can be very tempting to encourage your child to have a go at the more challenging activities, it is far better to work with them at a level they feel confident with. Significant and regular practise of even the most basic skills outlined in this document will lead to a much deeper understanding and greater proficiency, and ultimately a much more pleasant 'homework' experience for you and your child!