**Year 3 Objectives:**

• Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities.

• Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.

• Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.

• Recognise and show, using diagrams, equivalent fractions with small denominators.

• Add and subtract fractions with the same denominator within one whole [e.g. 5/7 + 1/7 = 6/7].

• Compare and order unit fractions and fractions with the same denominator.

• Solve problems that involve all of the above

**Year 4 Objectives:**

• Recognise and show, using diagrams, families of common equivalent fractions.

• Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.

• Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.

• Add and subtract fractions with the same denominator.

• Solve simple measure and money problems involving fractions.

**Year 5 Objectives:**

• Compare and order fractions whose denominators are all multiples of the same number.

• Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.

• Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number (e.g.2/5 + 2/5 = 6/5 = 1 1/5).

• Add and subtract fractions with the same denominator and denominators that are multiples of the same number.

• Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.

• Read and write decimal numbers as fractions (e.g. 0.71 = 71/100)

• Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.

**Year 6 Objectives:**

• Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.

• Compare and order fractions, including fractions > 1.

• Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.

• Multiply simple pairs of proper fractions, writing the answer in its simplest form [e.g. ¼ x ½ = 1/8].

• Divide proper fractions by whole numbers [e.g. 1/3 divided by 2 = 1/6].

• Associate a fraction with division and calculate decimal fraction equivalents [e.g. 0.375] for a simple fraction [e.g.3/8].