



## Mathematics Curriculum Journey – Decimals and Percentages

Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts

Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example,  $\frac{3}{8}$ ]

**Y6**

Identify the value of each digit in numbers given to three decimal places

Round decimals with two decimal places to the nearest whole number and to one decimal place

Read, write, order and compare numbers with up to three decimal places

Solve problems which require knowing percentage and decimal equivalents of  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{5}$ ,  $\frac{2}{5}$ ,  $\frac{4}{5}$  and those fractions with a denominator of a multiple of 10 or 25

**Y5**

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

Read and write decimal numbers as fractions [for example,  $0.71 = \frac{71}{100}$ ]

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

Compare numbers with the same number of decimal places up to two decimal places

Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal

Recognise and write decimal equivalents of any number of tenths or hundredths

**Y4**

Solve simple measure and money problems involving fractions and decimals to two decimal places

Round decimals with one decimal place to the nearest whole number

Recognise and write decimal equivalents to 14, 12, 34

**Y3**

**Y2**

**Y1**

Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.

Subitise (recognise quantities without counting) up to 5.

**EYFS**

Automatically recall number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.

Compare quantities up to 10 in different contexts.

Have a deep understanding of number to 10, including the composition of each number.