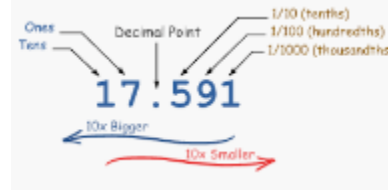


Decimals, Percentages & Ratios (Y4 – Y6) curriculum road map



Recognise and Write: Sp4, Su1

Recognise and write decimal equivalents of any number of tenths or hundredths
Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$

Compare: Su1

Round decimals with one decimal place to the nearest whole number
Compare numbers with the same number of decimal places up to two decimal places

Fractions, Decimals & Percentages: Sp3, Sp4, Su1

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
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

Y4

Y5

Calculations & Problems: Sp4

Find the effect of dividing a one or two digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundreds

Fractions, Decimals & Percentages: Sp3, Sp4, Su1

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

Recognise and Write: Sp3

Read and write decimal numbers as fractions (eg. $0.71 = \frac{71}{100}$)
Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents

Compare: Sp3

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

Calculations & Problems: Su1

Solve problems involving numbers up to three decimal places

Calculations & Problems: Sp1

Multiply & divide numbers by 10, 100 and 1000 giving answers up to three decimal places
Multiply one-digit numbers with up to two decimal places by whole numbers
Use written division methods in cases where the answer has up to two decimal places
Solve problems which require answers to be rounded to specified degrees of accuracy



Y6

Recognise and Write: Sp1

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

Fractions, Decimals & Percentages: Sp1, Sp2

Associate a fraction with division and calculate decimal fraction equivalents (for example, 0.375) for a simple fraction (for example, $\frac{3}{8}$)
Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts

Ratio & Proportion: Sp6

Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts
Solve problems involving the calculation of percentages (for example, of measures, and such as 15% of 360) and the use of percentages for comparison
Solve problems involving similar shapes where the scale factor is known or can be found
Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples

