



## PROGRESSION IN FRACTIONS (DECIMALS AND PERCENTAGES A) YEAR 5

Strand	What do I already know?	What am I going to be learning?	What will I learn next?
<b>Recognising fractions</b>	Halves and quarters of objects, shapes or quantities – Y1 Thirds and three quarters of length, set or shape – Y2 Unit and no-unit fractions of sets (small denominators) – Y3 Tenths – Y3 Fractions as numbers – Y3 Hundredths – Y4	recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents	
<b>Comparing decimals</b>	compare numbers with the same number of decimal places up to two decimal places – Y4	read, write, order and compare numbers with up to three decimal places	identify the value of each digit in numbers given to three decimal places
<b>Rounding decimals</b>	round decimals with one decimal place to the nearest whole number – Y4	round decimals with two decimal places to the nearest whole number and to one decimal place	solve problems which require answers to be rounded to specified degrees of accuracy
<b>Equivalence</b>	recognise and write decimal equivalents of any number of tenths or hundredths -Y4  recognise and write decimal equivalents to $\frac{1}{4}$ ; $\frac{1}{2}$ ; $\frac{3}{4}$ - Y4	read and write decimal numbers as fractions (e.g. $0.71 = \frac{71}{100}$ )  recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents  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 as a decimal fraction	associate a fraction with division and calculate decimal fraction equivalents (e.g. $0.375$ ) for a simple fraction (e.g. $\frac{3}{8}$ )  recall and use equivalences between simple fractions, decimals and percentages, including in different contexts
<b>Problem solving</b>	Solve problems involving fractions – Y3 solve simple measure and money problems involving fractions and decimals to two decimal places – Y4	solve problems involving numbers 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 with a denominator of a multiple of 10 or 25.	
<b>Vocabulary</b>	Equivalent, compare, order, greatest, smallest, ascending, descending, integer, decimal place, tenths, hundredths, thousandths.		