

Maths Progression Framework – Fractions
(*Italics – Roseberry added objectives*)

Fractions – Recognise and Write						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			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 by 10	Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten	Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths	
<i>Recognise, find and name a half as one of two equal parts of an object</i>	Recognise, find and name a half as one of two equal parts of an object, shape or quantity	Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity	Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators	Recognise, find and write more complex fractions : unit fractions and non-unit fractions E.G. $\frac{5}{12}$	Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, $\frac{2}{5} + \frac{4}{5} = 6/5 = 1$ and $1/5$	
<i>Begin to share a quantity into equal parts.</i>	Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.	Begin to understand the terms numerator and denominator.	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators			
Fractions - Compare						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		Recognise the equivalence of $\frac{1}{2}$ and $\frac{2}{4}$	Recognise and show, using diagrams, equivalent fractions with small denominators	Recognise and show, using diagrams, families of common equivalent fractions	To be able to find an equivalent fraction by either enlarging or simplifying the numerator or denominator.	Use common factors to simplify fractions; use common multiples to express fractions in the same denomination
			Compare and order unit fractions, and fractions with the same denominators	Predict missing numerators to make a fraction comparison true.	Compare and order fractions whose denominators are all multiples of the same number	Compare and order fractions, including fractions > 1
Fractions – Calculations						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			Add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$	Add and subtract fractions with the same denominator	Add and subtract fractions with the same denominator and denominators that are multiples of the same number	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
					Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams	Multiply simple pairs of proper fractions, writing the answer in its simplest form for example, $\frac{1}{2} \times \frac{1}{2} = \frac{1}{8}$
						Divide proper fractions by whole numbers for example, $\frac{1}{3} \div 2 = \frac{1}{6}$
Fractions – Solving Problems						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			Solve problems that involve all of the above.	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		