



Year 3	Year 4	Year 5	Year 6
<p>Knowledge – Fractions</p> <ul style="list-style-type: none"> Count up and down in tenths Recognise that tenths arise from dividing an object into 10 equal parts and in dividing 1-digit numbers or quantities by 10. Recognise, find and write fractions of a discrete set of objects: unit fractions, non-unit fractions and with small denominators Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators <p>Comparing fractions</p> <ul style="list-style-type: none"> Recognise and show using diagrams equivalent fractions with small denominators Compare and order unit fractions, and fractions with the same denominators <p>Calculations with fractions</p> <ul style="list-style-type: none"> Add and subtract fractions with the same 	<p>Knowledge – Fractions</p> <ul style="list-style-type: none"> Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten <p>Comparing fractions</p> <ul style="list-style-type: none"> Recognise and show using diagrams, families of common equivalent fractions <p>Calculations with fractions</p> <ul style="list-style-type: none"> Add and subtract fractions with the same denominator > one whole 	<p>Knowledge – Fractions</p> <ul style="list-style-type: none"> 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 <p>Comparing fractions</p> <ul style="list-style-type: none"> Compare and order fractions whose denominators are all multiples of the same number <p>Calculations with fractions</p> <ul style="list-style-type: none"> Add and subtract fractions with the same denominator and denominators that are multiples of the same number >1 as a mixed number Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams 	<p>Knowledge – Fractions</p> <p>Compare fractions</p> <ul style="list-style-type: none"> Use common factors to simplify fractions; use common multiples to express fractions in the same denomination Compare and order fractions, including fractions > 1 <p>Calculations with fractions</p> <ul style="list-style-type: none"> Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions Use their understanding of the relationship between unit fractions and division to work backwards by multiplying a quantity that represents a unit fraction to find the whole quantity (e.g. $\frac{1}{4}$ of the length is 36cm the whole length is 144cm)



<p>denominator within one whole</p>			<ul style="list-style-type: none"> • Multiply single pairs of proper fractions, writing the answer in its simplest form • Divide proper fractions by whole numbers • Associate a fraction with division and calculate decimal fraction equivalents (for example 0.375) for a simple fraction (e.g. $\frac{3}{8}$)
<p>Problem solving – Fractions</p>	<p>Problem solving – Fractions</p>	<p>Problem solving – Fractions</p>	<p>Problem solving – Fractions</p>
<ul style="list-style-type: none"> • Solve problems that involve all of the above 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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