

FRACTIONS, DECIMALS, PERCENTAGE S	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
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	<p>Recognise, find and name a half as one of two equal parts of an object, shape or quantity</p> <p>Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity</p>	<p>Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of length, shape, set of objects or quantity</p>	<p>Count up and down in tenths; recognise that tenths arise from dividing an object into ten equal parts and in dividing one-digit numbers or quantities by 10</p> <p>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators</p>	<p>Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten</p>	<p>Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths</p> <p>Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements as a mixed number</p>	<p>Revisit end of Year 5 expectations to consolidate understanding</p>
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	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
FR		Recognise the	Recognisee and shown	Recognise and show	Compare and order	Use common factors to

		<p>equivalence of $\frac{2}{4}$ and $\frac{1}{2}$</p>	<p>using diagrams, equivalent fractions with small denominators</p> <p>Compare and order unit fractions, and fractions with the same denominators</p>	<p>using diagrams, families of common equivalent fractions</p>	<p>fractions whose denominators are all multiples of the same number</p>	<p>simplify fractions; use common multiples to express fractions in the same denomination</p> <p>Compare and order fractions</p>
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		<p>Write simple fractions for example $\frac{1}{2}$ of 6 = 3</p>	<p>Add and subtract fractions with the same denominator within one whole</p>	<p>Add and subtract fractions with the same denominator</p>	<p>Add and subtract with the same denominator and denominators that are multiples of the same number</p> <p>Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams</p>	<p>Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions</p> <p>Multiply simple pairs of proper fractions writing the answer in the simplest form</p> <p>Divide proper fractions by whole numbers</p>
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	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
FRACTIONS: Solve problems			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	Solve problems that involve all of the above	Solve problems that involve all of the above

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DECIMAL: Recognise and Write				<p>Recognise and write decimal equivalents of any number of tenths or hundredths</p> <p>Recognise and write decimal equivalents to a quarter, a half and three quarters</p>	<p>Read and write decimal numbers as fractions</p> <p>Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents</p>	<p>Identify the value of each digit in numbers to three decimal places</p>

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
DECIMALS: Compare				<p>Round decimals with one decimal place to the nearest whole number</p> <p>Compare numbers with the same number of decimal places up to decimal places</p>	<p>Round decimals with two decimals to the nearest whole number and to one decimal place</p> <p>Read, write, order and compare numbers with up to three decimal places</p>	<p>Revisit end of Year 5 Expectations to consolidate understanding</p>

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
DECIMALS: Calculations & Problems				<p>Find the effect of dividing a one-digit number by 10 and 100</p> <p>Identifying the value of the digits in the answer as ones, tenths and hundredths</p>	<p>Solve problems involving numbers up to three decimal places</p>	<p>Multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places</p> <p>Multiply one-digit numbers with up to two decimal places by whole numbers</p> <p>Use written division methods in cases where the answer has up to two decimal places</p> <p>Solve problems which require answers to be rounded to specified degrees of accuracy</p>

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
FRACTIONS, DECIMALS & PERCENTAGES				<p>Solve simple measure and money problems involving fractions and decimals to two decimal places</p>	<p>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 to 100, and as a decimal</p> <p>Solve problems which require knowing decimal equivalents of one half, one quarter, one fifth, two fifths four fifths and those fractions with a denominator of a multiple of 10 or 25</p>	<p>Associate a fraction with division and calculate decimal fraction equivalents</p> <p>Recall and use equivalences between simple fractions, decimals and percentages, including indifferent contexts</p>