

UNIT	Maths topic	Learning objectives/expected outcomes	NC programmes of study
1	<p>Number and place value (1)</p>	<ul style="list-style-type: none"> • Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit • Use decimal notation for tenths, hundredths and thousandths • Partition, round and order decimals with up to three places, and position them on the number line • Use negative numbers in context, and calculate intervals across zero <p><i>I can read the value of each digit in a number or decimal</i></p> <p><i>I can round large numbers to the nearest multiple of 10, 100 or 1000</i></p> <p><i>I can round decimals to the nearest whole number and tenth</i></p> <p><i>I can put a set of decimal numbers in order</i></p> <p><i>I can put numbers that include negative numbers in order</i></p>	<ul style="list-style-type: none"> • read, write, order and compare numbers up to 10 000 000 and determine the value of each digit • round any whole number to a required degree of accuracy • use negative numbers in context, and calculate intervals across zero • solve number and practical problems that involve all of the above • identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places

<p style="text-align: center; font-weight: bold;">2</p>	<p>Addition and subtraction (1)</p>	<ul style="list-style-type: none"> • Find the difference between a positive and a negative number, or two negative numbers, in context • Perform mental calculations, including with mixed operations, decimals and large numbers • Use their knowledge of the order of operations to carry out calculations involving the four operations • Use efficient written methods to add and subtract four-digit numbers and decimals • Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use • Use estimation to check answers to calculations • Add and subtract fractions with different denominators <p><i>I can find the difference between positive and negative numbers</i></p> <p><i>I can add and subtract whole numbers and decimals in my head</i></p>	<ul style="list-style-type: none"> • perform mental calculations, including with mixed operations and large numbers • use their knowledge of the order of operations to carry out calculations involving the four operations • solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why • solve problems involving addition, subtraction, multiplication and division • use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy • add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions • solve problems which require answers to be rounded to specified degrees of accuracy • solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate
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<p>3</p>	<p>Geometry (1)</p>	<ul style="list-style-type: none"> • Identify, visualise and describe properties of regular and irregular polygons • Use knowledge of properties to draw 2-D shapes accurately using given dimensions and angles • Measure and compare different angles using a protractor • Calculate angles of triangles and at a point on a straight line • Use coordinates in the first quadrant to draw, locate and complete shapes that meet given properties • Draw and translate shapes on a grid 	<ul style="list-style-type: none"> • draw 2-D shapes using given dimensions and angles • recognise, describe and build simple 3-D shapes, including making nets • compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons • recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles • draw and translate simple shapes on the coordinate plane, and reflect them in the axes

		<p><i>I can describe the properties of regular and irregular polygons</i></p> <p><i>I can draw 2-D shapes accurately, with given dimensions and angles</i></p> <p><i>I can estimate and measure angles in shapes or where two lines meet</i></p> <p><i>I can draw angles less than 180° to within 5°</i></p> <p><i>I can draw where a shape will be after it has been reflected or translated and plot their coordinates</i></p> <p><i>I can calculate the angle sum of triangles</i></p>	
<p>4</p>	<p>Measures (1)</p>	<ul style="list-style-type: none"> • Select and use standard metric units of measure and convert between units, using decimals to two places (e.g. change 2.75 litres to 2750 ml, or vice versa) • Read and interpret scales on a range of measuring instruments • Measure and calculate the perimeter and area of composite rectilinear shapes • Recognise and calculate volume using 1cm³ blocks to build cubes and cuboids and capacity 	<ul style="list-style-type: none"> • solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate • use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation up to three decimal places • recognise that shapes with the same areas can have different perimeters and vice versa • recognise when it is possible to use formulae for area and

		<p>using water</p> <ul style="list-style-type: none"> Solve problems using timetables and 24-hour clock notation <p><i>I can record and convert measures between units including decimals</i></p> <p><i>I can interpret a reading between two unnumbered divisions on a scale when measuring</i></p> <p><i>I can solve problems involving calculating perimeter or area of shapes</i></p> <p><i>I can work out the volume of different cubes and cuboids made from centimetre cubes</i></p> <p><i>I can solve problems, using a timetable written in 24-hour clock notation</i></p>	<p>volume of shapes</p> <ul style="list-style-type: none"> calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm^3) and cubic metres (m^3), and extending to other units such as mm^3 and km^3
<p>5</p>	<p>Multiplication and division (1)</p>	<ul style="list-style-type: none"> Use knowledge of place value and multiplication facts to 12×12 to derive related multiplication and division facts Solve problems involving multiplication and division with larger numbers by factorising Multiply numbers up to four digits by a one- or two-digit number using an efficient written method 	<ul style="list-style-type: none"> multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context divide numbers up to 4 digits by a two-digit whole number using the formal written method of short division

		<ul style="list-style-type: none"> • Divide numbers up to four digits by a one-digit number using an efficient written method of short division • Interpret remainders in division as whole number remainders, fractions, or by rounding, as appropriate for the context • Multiply proper fractions and mixed numbers by whole numbers • Use approximations, inverse operations and tests of divisibility to estimate and check results <p><i>I can use tables facts to work out other facts with decimals and large numbers</i></p> <p><i>I can factorise numbers to help with mental calculations</i></p> <p><i>I can use an efficient written method to multiply a three-digit number by a two-digit number</i></p> <p><i>I can use a short division method and can show the remainder in different ways</i></p> <p><i>I can multiply fractions and mixed numbers by whole numbers</i></p>	<p>where appropriate, interpreting remainders according to the context</p> <ul style="list-style-type: none"> • perform mental calculations, including with mixed operations and large numbers • use their knowledge of the order of operations to carry out calculations involving the four operations • solve problems involving addition, subtraction, multiplication and division • use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy • 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 • solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate
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		<p><i>I can give a good estimate of an answer before I multiply or divide large numbers or decimals</i></p>	
<p>6</p>	<p>Fractions, decimals and percentages (1)</p>	<ul style="list-style-type: none"> • Find fractions and percentages of numbers and quantities (e.g. $\frac{7}{10}$ of 90, 20% of 30) • Use equivalent fractions to compare and order fractions • Recall and use equivalences between fractions, decimals and percentages • Recognise mixed numbers and improper fractions and convert from one form to the other • Solve simple problems involving direct proportion by scaling quantities up or down <p><i>I can explain how to find a fraction or percentage of a quantity</i></p> <p><i>I can use equivalent fractions to put fractions in order of size</i></p> <p><i>I can give a fraction such as $\frac{3}{5}$ as a percentage</i></p> <p><i>I know that $5\frac{2}{3}$ is the same as $\frac{17}{3}$</i></p>	<ul style="list-style-type: none"> • compare and order fractions, including fractions >1 • associate a fraction with division and calculate decimal fraction equivalents for a simple fraction • recall and use equivalences between simple fractions, decimals and percentages, including in different contexts • 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 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

		<p><i>I can scale up or down to solve problems</i></p>	
<p>7</p>	<p>Patterns and number (1)</p>	<ul style="list-style-type: none"> • Identify common factors and common multiples of numbers • Recognise that prime numbers have only two factors and identify prime numbers less than 100 • Express missing number problems algebraically • Use simple formulae expressed in words • Generate and describe linear number sequences and generalise to find a 'rule' • Find pairs of numbers that satisfy number sentences involving two unknowns • Read years written in Roman numerals <p><i>I can find common factors and common multiples of numbers</i></p> <p><i>I can show you all the prime numbers up to 100</i></p> <p><i>I can describe and explain sequences, patterns and</i></p>	<ul style="list-style-type: none"> • identify common factors, common multiples and prime numbers • express missing number problems algebraically • use simple formulae • generate and describe linear number sequences • find pairs of numbers that satisfy an equation with two unknowns • enumerate possibilities of combinations of two variables

		<p><i>relationships</i></p> <p><i>I can write and use simple expressions in words and formulae</i></p> <p><i>I can read years using Roman numerals</i></p>	
<p>8</p>	<p>Addition and subtraction (2)</p>	<ul style="list-style-type: none"> • Perform mental calculations, including with mixed operations, negative numbers, decimals and large numbers • Use their knowledge of the order of operations to carry out calculations involving the four operations • Use efficient written methods to add and subtract large numbers and decimals • Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why • Use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy • Add and subtract fractions with different denominators and mixed numbers <p><i>I can add and subtract whole numbers and</i></p>	<ul style="list-style-type: none"> • perform mental calculations, including with mixed operations and large numbers • use their knowledge of the order of operations to carry out calculations involving the four operations • solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why • solve problems involving addition, subtraction, multiplication and division • use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy • add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions • solve problems which require answers to be rounded to specified degrees of accuracy • solve problems involving the calculation and conversion of

		<p><i>decimals in my head</i></p> <p><i>I can explore the order of operations and use brackets</i></p> <p><i>I can use efficient written methods to add and subtract whole numbers and decimal numbers</i></p> <p><i>I can round numbers to estimate answers to calculations</i></p> <p><i>I can use equivalent fractions to add and subtract fractions with different denominators</i></p>	<p>units of measure, using decimal notation up to three decimal places where appropriate</p>
<p>9</p>	<p>Geometry (2)</p>	<ul style="list-style-type: none"> • Compare and classify geometric shapes based on their properties and sizes • Describe, identify and visualise parallel and perpendicular edges or faces; use these properties to classify 2-D shapes and 3-D solids • Estimate angles, and use a protractor to measure and draw them, on their own and in shapes • Calculate angles in a quadrilateral or around a point • Use coordinates in two quadrants to draw, locate and complete shapes that meet given properties 	<ul style="list-style-type: none"> • draw 2-D shapes using given dimensions and angles • recognise, describe and build simple 3-D shapes, including making nets • compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons • recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles • draw and translate simple shapes on the coordinate plane, and reflect them in the axes

		<ul style="list-style-type: none"> • Draw, translate and reflect shapes on a grid <p><i>I can sort and classify 2-D and 3-D shapes based on their properties</i></p> <p><i>I can identify 3-D shapes with perpendicular or parallel edges or faces</i></p> <p><i>I can estimate angles, and use a protractor to measure and draw them</i></p> <p><i>I know that the angle sum of a triangle is 180° and the sum of angles around a point is 360°</i></p> <p><i>I can use coordinates when the x-coordinates are positive or negative</i></p> <p><i>I can reflect shapes on grids</i></p>	
<p>10</p>	<p>Measures (2)</p>	<ul style="list-style-type: none"> • Select and use standard metric units of measure and convert between units using decimals to three places • Measure and calculate using imperial units still in everyday use; know their approximate metric values • Recognise that shapes with the same areas 	<ul style="list-style-type: none"> • solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate • use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation up to three decimal places

		<p>can have different perimeters and vice versa</p> <ul style="list-style-type: none"> • Measure and calculate the area of triangles • Calculate the volume of cubes and cuboids using centimetre cubed (cm³) <p><i>I can convert measures between units including decimals</i></p> <p><i>I know that 1 pint is just over half a litre, and that 1 litre is about 13/4 pints</i></p> <p><i>I know that shapes with the same areas can have different perimeters and vice versa</i></p> <p><i>I can calculate the area of triangles using my knowledge of areas of rectangles</i></p> <p><i>I can calculate the volume of different cubes and cuboids</i></p>	<ul style="list-style-type: none"> • convert between miles and kilometres • recognise that shapes with the same areas can have different perimeters and vice versa • recognise when it is possible to use formulae for area and volume of shapes • calculate the area of parallelograms and triangles • calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm³) and cubic metres (m³), and extending to other units such as mm³ and km³
<p>11</p>	<p>Multiplication and division (2)</p>	<ul style="list-style-type: none"> • Use knowledge of place value and multiplication facts to 12 × 12 to derive related multiplication and division facts • Use knowledge of the order of operations to carry out calculations involving the four operations 	<ul style="list-style-type: none"> • multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication • divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context

		<ul style="list-style-type: none"> • Multiply numbers up to four digits by a two-digit whole number using an efficient written method • Divide numbers up to four digits by a two-digit whole number using an efficient written method • Interpret remainders in division as whole number remainders, fractions, or by rounding, as appropriate for the context • Calculate and interpret the mean as an average <p><i>I can use tables facts to work out related facts with decimal numbers and bigger numbers</i></p> <p><i>I can explore the order of operations and use brackets in calculations</i></p> <p><i>I can use an efficient written method to multiply numbers up to four-digits by a two-digit number</i></p> <p><i>I can use an efficient written division method to divide a four-digit number by a two-digit number</i></p> <p><i>I can show remainders in different ways when I divide numbers</i></p>	<ul style="list-style-type: none"> • divide numbers up to 4 digits by a two-digit whole number using the formal written method of short division where appropriate, interpreting remainders according to the context • perform mental calculations, including with mixed operations and large numbers • use their knowledge of the order of operations to carry out calculations involving the four operations • solve problems involving addition, subtraction, multiplication and division • use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy • 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 • solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate • calculate and interpret the mean as an average
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<p>12</p>	<p>Fractions, decimals and percentages (2)</p>	<ul style="list-style-type: none"> • Use common factors to simplify fractions and common multiples to show equivalent fractions • Compare and order fractions, including fractions greater than 1, by converting them to fractions with a common denominator • Calculate fractions and percentages of whole-numbers, money or measures (e.g. $\frac{3}{5}$ of 45, 15% of £40) • Solve problems involving proportions of quantities • Use ratio to compare quantities, size and scale drawings <p><i>I can simplify fractions and put them in order of size</i></p> <p><i>I can find a percentage of an amount of money such as 15% of £30</i></p> <p><i>I can solve ratio and proportion problems</i></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 • associate a fraction with division and calculate decimal fraction equivalents for a simple fraction • recall and use equivalences between simple fractions, decimals and percentages, including in different contexts • 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 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

13	Number and place value (2)	<ul style="list-style-type: none"> • Read, write, order and compare numbers up to at least 10 000 000 and determine the value of each digit • Identify the value of each digit to three decimal places and use this to help order decimals • Multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places • Round any number to a required degree of accuracy <p><i>I can read and write numbers up to 10 000 000</i></p> <p><i>I can say the value of each digit in a number, including decimals up to thousandths</i></p> <p><i>I can put a set of decimal numbers in order</i></p> <p><i>I can round decimals to the nearest whole number, tenth and hundredth</i></p> <p><i>I can multiply or divide a whole number or decimal by 10, 100 and 1000</i></p> <p><i>I can use decimals to record measurements and money</i></p>	<ul style="list-style-type: none"> • read, write, order and compare numbers up to 10 000 000 and determine the value of each digit • round any whole number to a required degree of accuracy • use negative numbers in context, and calculate intervals across zero • solve number and practical problems that involve all of the above • identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places
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14	<p>Geometry (3)</p>	<ul style="list-style-type: none"> • Recognise, describe and build 3-D shapes, including making nets • Find unknown angles in any triangles, quadrilaterals, and regular polygons • Find unknown angles where they meet at a point, are on a straight line, and are vertically opposite • Illustrate and name parts of circles, including radius, diameter and circumference • Use coordinates in all four quadrants to draw, locate and complete shapes that meet given properties • Visualise and draw on grids where a shape will be after reflection, after translation, or after rotation through 90° or 180° about its centre or one of its vertices <p><i>I can make nets of 3-D shapes to make models of the shapes</i></p> <p><i>I can work out missing angles on a straight line or</i></p>	<ul style="list-style-type: none"> • draw 2-D shapes using given dimensions and angles • recognise, describe and build simple 3-D shapes, including making nets • compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons • illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius • recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles • describe positions on the full coordinate grid (all four quadrants) • draw and translate simple shapes on the coordinate plane, and reflect them in the axes

		<p><i>when they meet at a point</i></p> <p><i>I know the parts of a circle, including diameter, radius and circumference</i></p> <p><i>I can use coordinates when the x-coordinate and the y-coordinate are positive or negative</i></p> <p><i>I can reflect, rotate and translate shapes on grids</i></p>	
<p>15</p>	<p>Patterns and number (2)</p>	<ul style="list-style-type: none"> • Identify common factors and common multiples of numbers • Recognise that prime numbers have only two factors and identify prime numbers less than 100 • Find the prime factors of two-digit numbers • Express missing number problems algebraically • Find pairs of numbers that satisfy number sentences involving two unknowns • Represent and interpret sequences, patterns and relationships and suggest and test hypotheses 	<ul style="list-style-type: none"> • identify common factors, common multiples and prime numbers • express missing number problems algebraically • use simple formulae • generate and describe linear number sequences • find pairs of numbers that satisfy an equation with two unknowns • enumerate possibilities of combinations of two variables

		<ul style="list-style-type: none"> • Construct and use simple expressions and formulae in words then symbols <p><i>I can find the lowest common multiples of different numbers</i></p> <p><i>I can find the highest common factors of different numbers</i></p> <p><i>I can tell you all the prime numbers up to 100 and find the prime factors of other numbers</i></p> <p><i>I can describe and explain sequences, patterns and relationships</i></p> <p><i>I can suggest hypotheses and test them</i></p> <p><i>I can write and use simple expressions in words and formulae</i></p> <p><i>I can solve 'finding all possibilities' problems</i></p>	
<p>16</p>	<p>Measures (3)</p>	<ul style="list-style-type: none"> • Select and use standard metric units of measure and convert between units using decimals to three places • Measure and calculate using imperial units still in everyday use; know their approximate metric values 	<ul style="list-style-type: none"> • solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate • use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal

		<ul style="list-style-type: none"> • Calculate the area of parallelograms • Calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm³) and cubic metres (m³) <p><i>I can convert measures between units including decimals</i></p> <p><i>I can compare readings from different scales</i></p> <p><i>I know that 1 mile is about 1.6 km, and that 1 km is about 5/8 of a mile</i></p> <p><i>I can calculate the area of parallelograms using my knowledge of areas of rectangles and triangles</i></p> <p><i>I can calculate and compare the volume of different cubes and cuboids</i></p>	<p>places</p> <ul style="list-style-type: none"> • convert between miles and kilometres • recognise that shapes with the same areas can have different perimeters and vice versa • recognise when it is possible to use formulae for area and volume of shapes • calculate the area of parallelograms and triangles • calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm³) and cubic metres (m³), and extending to other units such as mm³ and km³
<p>17</p>	<p>Multiplication and division (3)</p>	<ul style="list-style-type: none"> • Use knowledge of place value and multiplication facts to 12 × 12 to derive related multiplication and division facts involving decimals • Use knowledge of the order of operations to carry out calculations involving the four operations 	<ul style="list-style-type: none"> • multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication • divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context

		<ul style="list-style-type: none"> • Multiply one-digit numbers with up to two decimal places by whole numbers • Multiply and divide numbers up to four digits by a two-digit whole number using an efficient written method • Use written division methods for money and measures where the answer has up to two decimal places • Multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g. $1/4 \times 1/2 = 1/8$) • Divide proper fractions by whole numbers (e.g. $1/3 \div 2 = 1/6$) <p><i>I can use tables facts to work out related facts with decimal numbers and bigger numbers</i></p> <p><i>I know the order of operations to use in calculations with brackets</i></p> <p><i>I can use efficient written methods to multiply and divide numbers</i></p> <p><i>I can divide money so that the answer has two decimal places</i></p>	<ul style="list-style-type: none"> • divide numbers up to 4 digits by a two-digit whole number using the formal written method of short division where appropriate, interpreting remainders according to the context • perform mental calculations, including with mixed operations and large numbers • use their knowledge of the order of operations to carry out calculations involving the four operations • solve problems involving addition, subtraction, multiplication and division • use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy • multiply simple pairs of proper fractions, writing the answer in its simplest form • divide proper fractions by whole numbers • 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
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		<p><i>I can use pictures and diagrams to help me explain multiplication of pairs of fractions and division of fractions by whole numbers</i></p>	<ul style="list-style-type: none"> • solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate
<p>18</p>	<p>Fractions, decimals and percentages (3)</p>	<ul style="list-style-type: none"> • Associate a fraction with division to calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. 3/8) • Calculate fractions and percentages of whole-numbers, money or measures (e.g. 5/8 of 96, 65% of £260) • Express one quantity as a percentage of another • Use ratio to compare quantities, size and scale drawings, including notation a:b • Solve problems involving proportionality in contexts such as similar shapes and recipes <p><i>I can convert fractions to decimals</i></p> <p><i>I can find a fraction or percentage of an amount of money</i></p> <p><i>I can work out a quantity as a percentage of another</i></p>	<ul style="list-style-type: none"> • compare and order fractions, including fractions >1 • associate a fraction with division and calculate decimal fraction equivalents for a simple fraction • recall and use equivalences between simple fractions, decimals and percentages, including in different contexts • 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 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

		<p><i>I can use ratio to compare quantities</i></p> <p><i>I can solve problems involving proportions of amounts</i></p>	
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