



<p>Place Value 1</p> <ul style="list-style-type: none"> Explore numbers up to 10,000 Read, write and represent numbers up to 10,000 Compare and order numbers up to 10,000 	<p>Place value 2</p> <ul style="list-style-type: none"> Round to the nearest 10, 100 and 1000 Recognise negative numbers on vertical and horizontal number lines Read negative numbers from thermometers and temperature graphs Calculate differences between negative numbers shown on visual representations 	<p>Place Value 3</p> <ul style="list-style-type: none"> Read, write and represent numbers up to 100,000 Round numbers within 100,000 to the nearest 10, 100, 1000 and 10,000 Count in powers of 10 Compare and order numbers up to 100,000 	<p>Multiplication and Division 2</p> <ul style="list-style-type: none"> Multiply by 10, 100 and 1000 Divide by 10, 100 and 1000 	<p>Place Value 4</p> <ul style="list-style-type: none"> Use Roman numerals up to 1000 Identify a term-to-term rule of a sequence 	<p>Multiplication and Division 7</p> <ul style="list-style-type: none"> Solve multiplication and division word problems Solve calculation problems with calculations on both sides of the = sign.
<p>Addition and Subtraction 1</p> <ul style="list-style-type: none"> Add together 5-digit and 4-digit numbers Subtract a 4-digit number from a 4- or 5-digit number 	<p>Addition and Subtraction 2</p> <ul style="list-style-type: none"> Use estimation to give approximate results Use inverse operations to check results Solve multi-step addition and subtraction problems 	<p>Multiplication and Division 3</p> <ul style="list-style-type: none"> Identify multiples of whole numbers Identify factors of whole numbers Use related facts to calculate other multiples of 10, 100 and 1000 Multiply and divide mentally from known facts 	<p>Fractions, Decimals and Percentages 7</p> <ul style="list-style-type: none"> Describe and complete decimal sequences Multiply decimal numbers with up to 3 decimal places by 10, 100 and 1000 Divide decimal numbers with up to three decimal places by 10, 100 and 1000 	<p>Addition and Subtraction 3</p> <ul style="list-style-type: none"> Use efficient mental methods to solve addition and subtraction problems Solve multi-step addition and subtraction problems 	<p>Fractions, Decimals and Percentages 11</p> <ul style="list-style-type: none"> Explore the concept of percentages Represent percentages as fractions and decimals Identify equivalent fractions, decimals and percentages Know percentage equivalents for half, quarters, fifths, tenths and twenty-fifths
<p>Multiplication and Division 1</p> <ul style="list-style-type: none"> Multiply a 4-digit number by a 1-digit number Multiply a 3-digit number by a 2-digit number Multiply a 4-digit number by a 2-digit number 	<p>Fractions, Decimals and Percentages 3</p> <ul style="list-style-type: none"> Find decimal complements to 1 Add decimals crossing the whole Multiply numbers with up to three decimal places by an integer Divide numbers with up to 2-decimal places by an integer 	<p>Fractions, Decimals and Percentages 5</p> <ul style="list-style-type: none"> Add numbers with the same number of decimal places Subtract numbers with the same number of decimal places Add numbers with a different number of decimal places Subtract numbers with a different number of decimal places Add and subtract whole numbers and decimal numbers 	<p>Measures 2</p> <ul style="list-style-type: none"> Convert between g and kg and m and km Convert between ml and l and mm and m Convert between various metric units Use given conversions to find metric / imperial values 	<p>Multiplication and Division 5</p> <ul style="list-style-type: none"> Find common factors of two numbers Identify prime numbers and recall the prime numbers to 19 Identify square numbers and recognise the notation for 'squared' Identify cube numbers and recognise the notation for 'cubed' 	<p>Fractions, Decimals and Percentages 12</p> <ul style="list-style-type: none"> Find 10% of a number Find multiples of 10% of a number Find 1% of a number
<p>Multiplication and Division 2</p> <ul style="list-style-type: none"> Divide 4-digit numbers by 1-digit numbers no remainders Divide 3-digit numbers by 2-digit numbers no remainders Divide 4-digit numbers by 2-digit numbers no remainders 	<p>Fractions, Decimals and Percentages 4</p> <ul style="list-style-type: none"> Explore equivalent fractions Convert improper fractions to mixed numbers Convert mixed numbers to improper fractions Use fractions and mixed numbers within number sequences 	<p>Fractions, Decimals and Percentages 6</p> <ul style="list-style-type: none"> Compare and order fractions Compare and order fractions and mixed numbers Count in fractions 	<p>Fractions, Decimals and Percentages 8</p> <ul style="list-style-type: none"> Add and subtract fractions with denominators which are multiples of each other Add and subtract fractions where both denominators need converting Add three or more fractions Add fractions giving a result larger than 1 	<p>Multiplication and Division 6</p> <ul style="list-style-type: none"> Divide 4-digit numbers by 1-digit numbers with remainders Interpret remainders in the context of a question Know when to round up or down after division Know when to leave a remainder as a fraction or convert to a decimal 	<p>Measures 4</p> <ul style="list-style-type: none"> Explore volume Compare volumes Estimate capacity
<p>Fractions, Decimals and Percentages 1</p> <ul style="list-style-type: none"> Explore the relationship between decimals and fractions Explore the relationship between decimals and fractions greater than 1 Explore the concept of thousandths read, represent and write numbers with three decimal places Compare and order numbers with up to three decimal places 	<p>Measures 1</p> <ul style="list-style-type: none"> Represent the side lengths of shapes algebraically Measure perimeter Calculate perimeter Calculate the area of rectangles Use algebra to generalise rules for finding area and perimeter Calculate the area of compound shapes Estimate the area of irregular shapes Compare the areas of rectangles and compound shapes 	<p>Shape 1</p> <ul style="list-style-type: none"> Measure angles in degrees Measure angles with a protractor Draw lines and angles accurately Calculate angles on a straight line Calculate angles around a point 	<p>Shape 3</p> <ul style="list-style-type: none"> Reason about 3d shapes Identify 3d shapes from 2d representations 	<p>Multiplication and Division 9</p> <ul style="list-style-type: none"> Add a proper fraction to a mixed number not crossing the 1s Add a proper fraction to a mixed number crossing the 1s Subtract proper fractions from mixed numbers with no need to convert the whole Subtract proper fractions from mixed numbers where the whole needs converting Subtract a mixed number from a mixed number with no need to convert the whole Subtract a mixed number from a mixed number where the wholes need converting. 	<p>Measures 5</p> <ul style="list-style-type: none"> Solve problems where a unit of measure needs to be converted Solve measures scaling problems Draw scale diagrams
<p>Fractions, Decimals and Percentages 2</p> <ul style="list-style-type: none"> Round decimals to the nearest whole Round decimals to the nearest tenth Add decimals within 1 Subtract decimals within 1 	<p>Measures 2</p> <ul style="list-style-type: none"> Convert between unit of time Use timetables to retrieve information and solve problems Solve problems about the duration of events 	<p>Shape 2</p> <ul style="list-style-type: none"> Calculate lengths and angles in shapes Recognise regular and irregular polygons Find missing side lengths in rectangles and compound rectilinear shapes 	<p>Shape 4</p> <ul style="list-style-type: none"> Read and plot coordinates in all four quadrants Reflect shapes on a coordinate grid Reflect shapes in the x- or y-axis Translate points and shapes in all four quadrants 	<p>Fractions, Decimals and Percentages 10</p> <ul style="list-style-type: none"> Multiply unit fractions by integers Multiply fractions by integers Calculate a fraction of an amount Use fractions as operators 	<p>Data 1</p> <ul style="list-style-type: none"> Read a range of two-way tables