

## Year 5 and Year 6 mixed age medium-term plan

Term 1			
Strand	National Curriculum Year 5 objectives	National Curriculum Year 6 objectives	Content (Year 5 and Year 6 sub-objectives)
Number and place value	<ul style="list-style-type: none"> <li>• Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit.</li> <li>• Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000.</li> </ul>	<ul style="list-style-type: none"> <li>• Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit.</li> <li>• <i>Round any whole number to a required degree of accuracy.</i></li> <li>• <i>Solve number and practical problems that involve all of the above.</i></li> </ul>	<p><b><u>Week 4</u></b></p> <p><b>Year 5 Term 1 Unit 1 Week 1: Representing integers with six or more digits</b></p> <p><b>Year 6 Term 1 Unit 1 Week 1: Fluency with large numbers</b></p> <ul style="list-style-type: none"> <li>• Read and write numbers to at least 1 000 000 and determine the value of each digit.</li> <li>• Read, write, order and compare numbers to at least 1 000 000.</li> <li>• Count forwards or backwards in steps of powers of 10 for any multiple of a power of 10 up to 1 000 000.</li> <li>• Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000.</li> <li>• Read and write numbers up to 10 000 000 and determine the value of each digit.</li> <li>• Read, write, order and compare numbers up to 10 000 000.</li> <li>• <i>Round any whole number to a required degree of accuracy.</i></li> <li>• <i>Solve number problems that involve all of the above.</i></li> <li>• <i>Solve practical problems that involve all of the above.</i></li> </ul>

Strand	National Curriculum Year 5 objectives	National Curriculum Year 6 objectives	Content (Year 5 and Year 6 sub-objectives)
<p>Addition and subtraction (Y5)</p> <p>Addition, subtraction, multiplication and division (Y6)</p>	<ul style="list-style-type: none"> <li>Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.</li> <li>Multiply numbers up to four digits by a 1- or 2-digit number using a formal written method, including long multiplication for 2-digit numbers.</li> <li>Multiply and divide numbers mentally drawing upon known facts.</li> <li>Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes.</li> </ul>	<ul style="list-style-type: none"> <li>Multiply multi-digit numbers up to four digits by a 2-digit whole number using the formal written method of long multiplication.</li> <li>Divide numbers up to four digits by a 2-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.</li> <li>Divide numbers up to four digits by a 2-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context.</li> <li>Perform mental calculations, including with mixed operations and large numbers.</li> <li>Identify common factors, common multiples and prime numbers.</li> <li>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</li> <li>Solve problems involving addition, subtraction, multiplication and division.</li> <li>Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.</li> </ul>	<p><b>Week 5</b></p> <p><b>Year 5 Term 1 Unit 2 Week 2: Multiplicative properties of numbers: factors and multiples</b></p> <p><b>Year 6 Term 1 Unit 2 Week 2: Understanding multi-digit multiplication</b></p> <ul style="list-style-type: none"> <li>Identify multiples and factors, including finding all factor pairs of a number.</li> <li>Identify multiples and factors, including finding common factors of two numbers.</li> <li><i>Multiply multi-digit numbers up to four digits by a 2-digit whole number using the formal written method of long multiplication.</i></li> <li><i>Perform mental calculations, including with mixed operations and large numbers.</i></li> <li><i>Identify common factors, common multiples and prime numbers.</i></li> <li><i>Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.</i></li> </ul> <hr/> <p><b>Week 6</b></p> <p><b>Year 5 Term 1 Unit 2 Week 3: Efficient multiplication: mental and written methods</b></p> <p><b>Year 6 Term 1 Unit 2 Week 3: Understanding multi-digit division methods</b></p> <ul style="list-style-type: none"> <li>Multiply numbers up to four digits by a 1- or 2-digit number using a formal written method, including long multiplication for 2-digit numbers.</li> <li>Multiply numbers mentally drawing upon known facts.</li> <li>Divide numbers mentally drawing upon known facts.</li> <li><i>Divide numbers up to four digits by a 2-digit whole number using the formal written method of long division.</i></li> <li><i>Divide numbers up to four digits by a 2-digit number using the formal written method of short division where appropriate.</i></li> <li><i>Perform mental calculations, including with mixed operations and large numbers.</i></li> </ul> <hr/> <p><b>Week 7</b></p> <p><b>Year 5 Term 1 Unit 2 Week 4: Solving problems involving multiplication and division</b></p> <p><b>Year 6 Term 1 Unit 2 Week 4: Solving problems using all four operations</b></p> <ul style="list-style-type: none"> <li>Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes.</li> <li><i>Divide numbers up to four digits by a 2-digit number, interpreting remainders according to the context.</i></li> <li><i>Interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context.</i></li> <li><i>Solve addition and subtraction multi-step problems in context, deciding which operations and methods to use and why.</i></li> <li><i>Solve problems involving addition, subtraction, multiplication and division.</i></li> </ul>

Strand	National Curriculum Year 5 objectives	National Curriculum Year 6 objectives	Content (Year 5 and Year 6 sub-objectives)
Geometry: properties of shapes	<ul style="list-style-type: none"> <li>• Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles.</li> <li>• Draw given angles, and measure them in degrees (<math>^{\circ}</math>).</li> <li>• Identify:               <ul style="list-style-type: none"> <li>◦ angles at a point and one whole turn (total <math>360^{\circ}</math>);</li> <li>◦ angles at a point on a straight line and <math>\frac{1}{2}</math> a turn (total <math>180^{\circ}</math>);</li> <li>◦ other multiples of <math>90^{\circ}</math>.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <i>Draw 2D shapes using given dimensions and angles.</i></li> <li>• <i>Recognize, describe and build simple 3D shapes, including making nets.</i></li> </ul>	<p><b><u>Week 8</u></b></p> <p><b>Year 5 Term 1 Unit 3 Week 5: Estimating, measuring, drawing and using angles</b></p> <p><b>Year 6 Term 1 Unit 3 Week 5: Constructing 2D and 3D shapes</b></p> <ul style="list-style-type: none"> <li>• Know angles are measured in degrees.</li> <li>• Estimate and compare acute, obtuse and reflex angles.</li> <li>• Draw given angles and measure them in degrees (<math>^{\circ}</math>).</li> <li>• Identify angles at a point and one whole turn (total <math>360^{\circ}</math>).</li> <li>• Identify angles at a point on a straight line and <math>\frac{1}{2}</math> a turn (total <math>180^{\circ}</math>).</li> <li>• Identify other multiples of <math>90^{\circ}</math>.</li> <li>• <i>Draw 2D shapes using given dimensions and angles.</i></li> <li>• <i>Recognize, describe and build simple 3D shapes.</i></li> <li>• <i>Make nets of simple 3D shapes.</i></li> </ul>

Strand	National Curriculum Year 5 objectives	National Curriculum Year 6 objectives	Content (Year 5 and Year 6 sub-objectives)
Fractions	<ul style="list-style-type: none"> <li>Compare and order fractions whose denominators are all multiples of the same number.</li> <li>Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.</li> <li>Recognize mixed numbers and improper fractions and convert from one form to the other and write mathematical statements <math>&gt; 1</math> as a mixed number (e.g. <math>\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1 \frac{1}{5}</math>).</li> <li>Add and subtract fractions with the same denominator and denominators that are multiples of the same number.</li> <li>Read and write decimal numbers as fractions (e.g. <math>0.71 = \frac{71}{100}</math>).</li> <li>Recognize and use thousandths and relate them to tenths, hundredths and decimal equivalents.</li> </ul>	<ul style="list-style-type: none"> <li>Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.</li> <li>Compare and order fractions, including fractions <math>&gt; 1</math>.</li> <li>Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.</li> <li>Associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. <math>\frac{3}{8}</math>).</li> <li>Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places.</li> <li>Multiply 1-digit numbers with up to two decimal places by whole numbers.</li> <li>Use written division methods in cases where the answer has up to two decimal places.</li> <li>Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.</li> </ul>	<p><b>Week 9</b>  <b>Year 5 Term 1 Unit 4 Week 7: Fractions in different forms</b>  <b>Year 6 Term 1 Unit 4 Week 6: Using equivalences</b></p> <ul style="list-style-type: none"> <li>Compare and order fractions whose denominators are all multiples of the same number.</li> <li>Identify, name and write equivalent fractions of a given fraction, represented visually.</li> <li>Recognize mixed numbers and improper fractions.</li> <li>Convert mixed numbers and improper fractions from one form to the other and write mathematical statements <math>&gt; 1</math> as a mixed number (e.g. <math>\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1 \frac{1}{5}</math>).</li> <li>Use common multiples to express fractions in the same denomination.</li> <li>Compare and order fractions, including fractions <math>&gt; 1</math>.</li> <li>Associate a fraction with division.</li> <li>Calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. <math>\frac{3}{8}</math>).</li> <li>Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.</li> </ul> <hr/> <p><b>Week 10</b>  <b>Year 5 Term 1 Unit 4 Week 8: Adding and subtracting fractions</b>  <b>Year 6 Term 1 Unit 4 Week 7: Adding and subtracting fractions to solve problems</b></p> <ul style="list-style-type: none"> <li>Add and subtract fractions with the same denominator.</li> <li>Add and subtract fractions with denominators that are multiples of the same number.</li> <li>Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.</li> </ul> <hr/> <p><b>Week 11</b>  <b>Year 5 Term 1 Unit 4 Week 9: Decimal fractions</b>  <b>Year 6 Term 1 Unit 4 Week 8: Multiplying and dividing decimals to solve problems</b></p> <ul style="list-style-type: none"> <li>Identify, name and write equivalent fractions, represented visually, including tenths and hundredths.</li> <li>Read and write decimal numbers as fractions (e.g. <math>0.71 = \frac{71}{100}</math>).</li> <li>Recognize and use thousandths and relate them to tenths, hundredths and decimal equivalents.</li> <li>Identify the value of each digit in numbers given to three decimal places.</li> <li>Multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places.</li> <li>Multiply 1-digit numbers with up to two decimal places by whole numbers.</li> <li>Use written division methods in cases where the answer has up to two decimal places.</li> </ul>

Strand	National Curriculum Year 5 objectives	National Curriculum Year 6 objectives	Content (Year 5 and Year 6 sub-objectives)
Ratio and proportion (Y6)	Year 5 Consolidation week	<ul style="list-style-type: none"> <li>Solve problems involving the calculation of percentages, e.g. of measures, and such as 15% of 360, and the use of percentages for comparison.</li> </ul>	<p><b>Week 12</b></p> <p><b>Year 5 Consolidation week</b></p> <p><b>Year 6 Term 1 Unit 5 Week 9: Working with proportions in ratio and percentage context</b></p> <ul style="list-style-type: none"> <li>Solve problems involving the calculation of percentages, e.g. of measures, and such as 15% of 360, and the use of percentages for comparison.</li> </ul>
			<p><b>Week 13</b></p> <p><b>Year 3 Term 1 Unit 4 Week 8: Problem solving in multiplicative contexts</b></p> <p><b>Year 4 Term 1 Unit 4 Week 8: Multiplying larger numbers</b></p> <ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the [2, 5, 10] 4 and 8 multiplication tables.</li> <li>Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for 2-digit numbers times 1-digit numbers, using mental methods.</li> <li>Multiply 2-digit numbers by a 1-digit number using formal written layout.</li> <li>Solve problems involving multiplying and adding, including using the distributive law to multiply 2-digit numbers by one digit.</li> </ul>

Strand	National Curriculum Year 5 objectives	National Curriculum Year 6 objectives	Content (Year 5 and Year 6 sub-objectives)
Measurement	<ul style="list-style-type: none"> <li>Convert between different units of metric measure (e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre).</li> <li>Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints.</li> <li>Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.</li> <li>Estimate volume (e.g. using 1 cm<sup>3</sup> blocks to build cuboids including cubes) and capacity (e.g. using water).</li> <li>Use all four operations to solve problems involving measure (e.g. length, mass, volume, money) using decimal notation, including scaling.</li> </ul>	<ul style="list-style-type: none"> <li>Solve problems involving the calculation and conversion of units of measure, <i>using decimal notation up to three decimal places where appropriate.</i></li> <li>Use, read, write and convert between standard units, converting measurements of length, mass, <i>volume and time</i> from a smaller unit of measure to a larger unit, and vice versa, <i>using decimal notation to up to three decimal places.</i></li> <li><i>Convert between miles and kilometres.</i></li> <li><i>Recognize when it is possible to use formulae for area and volume of shapes.</i></li> <li><i>Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm<sup>3</sup>) and cubic metres (m<sup>3</sup>), and extending to other units (for example, mm<sup>3</sup> and km<sup>3</sup>).</i></li> </ul>	<p><b>Week 13</b></p> <p><b>Year 5 Term 1 Unit 6 Week 11: Estimate, measure and solve perimeter problems</b></p> <p><b>Year 6 Term 1 Unit 6 Week 10: Estimating, comparing and calculating volumes</b></p> <ul style="list-style-type: none"> <li>Convert between different units of metric measure, e.g. centimetre and metre; centimetre and millimetre.</li> <li>Understand and use approximate equivalences between metric units and common imperial units, e.g. feet, inches.</li> <li>Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.</li> <li>Use addition and subtraction to solve problems involving measure (e.g. length) using decimal notation.</li> <li>Use all four operations to solve problems involving measure (e.g. length) including scaling.</li> <li><i>Recognize when it is possible to use formulae for volume of shapes.</i></li> <li><i>Calculate volume of cubes and cuboids using standard units (cm<sup>3</sup>, m<sup>3</sup>).</i></li> <li><i>Estimate volume of cubes and cuboids using standard units (cm<sup>3</sup>, m<sup>3</sup>).</i></li> <li><i>Compare volume of cubes and cuboids using standard units (cm<sup>3</sup>, m<sup>3</sup>).</i></li> <li><i>Calculate, estimate and compare volume of cubes and cuboids using standard units, extending to other units (e.g. mm<sup>3</sup> and km<sup>3</sup>).</i></li> </ul>
			<p><b>Week 14</b></p> <p><b>Year 5 Term 1 Unit 6 Week 12: Converting between units of measure for volume and capacity</b></p> <p><b>Year 6 Term 1 Unit 6 Week 11: Converting between units of measure</b></p> <ul style="list-style-type: none"> <li>Convert between different units of metric measure, e.g. litre and millilitre.</li> <li>Understand and use approximate equivalences between metric units and common imperial units, e.g. pints.</li> <li>Estimate volume (e.g. using 1 cm<sup>3</sup> blocks to build cuboids including cubes) and capacity (e.g. using water).</li> <li>Use addition and subtraction to solve problems involving measure (e.g. volume) using decimal notation.</li> <li>Use all four operations to solve problems involving measure (e.g. volume) including scaling.</li> <li><i>Solve problems involving the calculation of units of measure, using decimal notation up to three decimal places where appropriate.</i></li> <li><i>Solve problems involving the conversion of units of measure, using decimal notation up to three decimal places where appropriate.</i></li> <li><i>Use, read and write standard units of length, mass and volume using decimal notation to up to three decimal places.</i></li> <li><i>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 places.</i></li> <li><i>Convert between miles and kilometres.</i></li> </ul>

Term 2			
Strand	National Curriculum Year 5 objectives	National Curriculum Year 6 objectives	Content (Year 5 and Year 6 sub-objectives)
Addition and subtraction (Y 5)  Algebra (Y6)	<ul style="list-style-type: none"> <li>• Add and subtract whole numbers with more than four digits, including using formal written methods (columnar addition and subtraction).</li> <li>• Add and subtract numbers mentally with increasingly large numbers.</li> <li>• Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.</li> <li>• Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Use simple formulae.</i></li> <li>• <i>Express missing number problems algebraically.</i></li> </ul>	<p><b>Week 1</b></p> <p><b>Year 5 Term 1 Unit 5 Week 10: Adding and subtracting using different methods</b></p> <p><b>Year 6 Term 1 Unit 7 Week 12: Using letters to represent unknown numbers</b></p> <ul style="list-style-type: none"> <li>• Add and subtract whole numbers with more than four digits, including using formal written methods (columnar addition and subtraction).</li> <li>• Add and subtract numbers mentally with increasingly large numbers.</li> <li>• Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.</li> <li>• Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</li> <li>• <i>Use simple formulae.</i></li> <li>• <i>Express missing number problems algebraically.</i></li> </ul>
Geometry: position and direction (Y6)	Year 5 Consolidation week	<ul style="list-style-type: none"> <li>• <i>Describe positions on the full coordinate grid (all four quadrants).</i></li> <li>• <i>Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.</i></li> </ul>	<p><b>Week 2</b></p> <p><b>Year 5 Consolidation week</b></p> <p><b>Year 6 Term 1 Unit 8 Week 13: Points, lines, shapes and translations on the four-quadrant coordinate plane</b></p> <ul style="list-style-type: none"> <li>• <i>Describe positions on the coordinate grid (all four quadrants).</i></li> <li>• <i>Draw simple shapes on the coordinate plane.</i></li> </ul>

Strand	National Curriculum Year 5 objectives	National Curriculum Year 6 objectives	Content (Year 5 and Year 6 sub-objectives)
Number and place value	<ul style="list-style-type: none"> <li>• Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.</li> <li>• Solve number problems and practical problems that involve all of the above.</li> </ul>	<ul style="list-style-type: none"> <li>• Use negative numbers in context, and <i>calculate intervals across zero</i>.</li> <li>• Solve number and practical problems that involve all of the above.</li> </ul>	<p><b><u>Week 3</u></b></p> <p><b>Year 5 Term 3 Unit 15 Week 1: Interpreting and solving problems involving negative numbers in context</b></p> <p><b>Year 6 Term 2 Unit 9 Week 1: Negative numbers in context, including counting on and back and in sequences</b></p> <ul style="list-style-type: none"> <li>• Interpret negative numbers in context.</li> <li>• Count forwards and backwards with positive and negative whole numbers, including through zero. <i>Use negative numbers in context.</i></li> <li>• <i>Calculate intervals across zero.</i></li> <li>• <i>Solve number problems that involve all of the above.</i></li> <li>• <i>Solve practical problems that involve all of the above.</i></li> </ul>



Strand	National Curriculum Year 5 objectives	National Curriculum Year 6 objectives	Content (Year 5 and Year 6 sub-objectives)
<p>Multiplication and division (Y5)</p> <p>Addition, subtraction, multiplication and division (Y6)</p>	<ul style="list-style-type: none"> <li>• Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.</li> <li>• Establish whether a number up to 100 is prime and recall prime numbers up to 19.</li> <li>• Multiply and divide numbers mentally drawing upon known facts.</li> <li>• Divide numbers up to four digits by a 1-digit number using the formal written method of short division and interpret remainders appropriately for the context.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Divide numbers up to four digits by a 2-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.</i></li> <li>• <i>Divide numbers up to four digits by a 2-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context.</i></li> <li>• <i>Perform mental calculations, including with mixed operations and large numbers.</i></li> <li>• <i>Identify common factors, common multiples and prime numbers.</i></li> <li>• <i>Use their knowledge of the order of operations to carry out calculations involving the four operations.</i></li> <li>• <i>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</i></li> <li>• <i>Solve problems involving addition, subtraction, multiplication and division.</i></li> </ul>	<p><b><u>Week 4</u></b></p> <p><b>Year 5 Term 2 Unit 8 Week 2: Primes, composites, multiples and factors</b></p> <p><b>Year 6 Term 2 Unit 10 Week 2: Reasoning about the order used to solve calculations</b></p> <ul style="list-style-type: none"> <li>• Know and use the vocabulary of prime numbers and composite (non-prime) numbers.</li> <li>• Establish whether a number up to 100 is prime and recall prime numbers up to 19.</li> <li>• <i>Perform mental calculations, including with mixed operations and large numbers.</i></li> <li>• <i>Use their knowledge of the order of operations to carry out calculations involving the four operations.</i></li> </ul> <hr/> <p><b><u>Week 5</u></b></p> <p><b>Year 5 Term 2 Unit 8 Week 3: Calculating using mental and written methods for division</b></p> <p><b>Year 6 Term 2 Unit 10 Week 3: Mixed operations</b></p> <ul style="list-style-type: none"> <li>• Divide numbers mentally drawing upon known facts.</li> <li>• Divide numbers up to four digits by a 1-digit number using the formal written method of short division and interpret remainders appropriately for the context.</li> <li>• <i>Divide numbers up to four digits by a 2-digit whole number using the formal written method of long division.</i></li> <li>• <i>Divide numbers up to four digits by a 2-digit number using the formal written method of short division where appropriate.</i></li> <li>• <i>Perform mental calculations, including with mixed operations and large numbers.</i></li> <li>• <i>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</i></li> <li>• <i>Solve problems involving addition, subtraction, multiplication and division.</i></li> <li>• <i>Multiply multi-digit numbers up to four digits by a 2-digit whole number using the formal written method of long multiplication.</i></li> <li>• <i>Divide numbers up to four digits by a 2-digit number using the formal written method of short division where appropriate.</i></li> </ul>

Strand	National Curriculum Year 5 objectives	National Curriculum Year 6 objectives	Content (Year 5 and 6 Year sub-objectives)
Geometry: position and direction	<ul style="list-style-type: none"> <li>Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.</li> </ul>	<ul style="list-style-type: none"> <li>Draw and translate simple shapes on the coordinate plane, <i>and reflect them in the axes.</i></li> </ul>	<p><b>Week 6</b></p> <p><b>Year 5 Term 2 Unit 14 Week 10: Reflecting and translating shapes in the first quadrant</b></p> <p><b>Year 6 Term 2 Unit 11 Week 4: Reflections and translations in all four quadrants</b></p> <ul style="list-style-type: none"> <li>Identify, describe and represent the position of a shape following a reflection, using the appropriate language, and know that the shape has not changed.</li> <li>Identify, describe and represent the position of a shape following a translation, using the appropriate language, and know that the shape has not changed.</li> <li><i>Translate simple shapes on the coordinate plane.</i></li> <li><i>Draw simple shapes on the coordinate plane and reflect them in the axes.</i></li> </ul>
Fractions	<ul style="list-style-type: none"> <li>Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.</li> <li>Recognize mixed numbers and improper fractions and convert from one form to the other and write mathematical statements <math>&gt; 1</math> as a mixed number (e.g. <math>\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1 \frac{1}{5}</math>).</li> <li>Read and write decimal numbers as fractions (e.g. <math>0.71 = \frac{71}{100}</math>).</li> <li>Recognize and use thousandths and relate them to tenths, hundredths and decimal equivalents.</li> <li>Read, write, order and compare numbers with up to three decimal places.</li> <li>Recognize the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal.</li> </ul>	<ul style="list-style-type: none"> <li>Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.</li> <li>Compare and order fractions, including fractions <math>&gt; 1</math>.</li> <li>Add and subtract fractions <i>with different denominators and mixed numbers, using the concept of equivalent fractions.</i></li> <li><i>Multiply simple pairs of proper fractions, writing the answer in its simplest form (for example, <math>\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}</math>).</i></li> <li><i>Divide proper fractions by whole numbers (for example, <math>\frac{1}{3} \div 2 = \frac{1}{6}</math>).</i></li> <li><i>Associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. <math>\frac{3}{8}</math>).</i></li> <li><i>Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.</i></li> </ul>	<p><b>Week 7</b></p> <p><b>Year 5 Term 2 Unit 10 Week 5: Understanding equivalences</b></p> <p><b>Year 6 Term 2 Unit 12 Week 5: Using equivalences and solving problems</b></p> <ul style="list-style-type: none"> <li>Identify, name and write equivalent fractions, represented visually, including tenths and hundredths.</li> <li>Recognize mixed numbers and improper fractions.</li> <li>Convert mixed numbers and improper fractions from one form to the other and write mathematical statements <math>&gt; 1</math> as a mixed number (e.g. <math>\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1 \frac{1}{5}</math>).</li> <li>Read and write decimal numbers as fractions (e.g. <math>0.71 = \frac{71}{100}</math>).</li> <li>Recognize and use thousandths and relate them to tenths, hundredths and decimal equivalents.</li> <li>Read, write, order and compare numbers with up to three decimal places.</li> <li><i>Use common factors to simplify fractions.</i></li> <li><i>Use common multiples to express fractions in the same denomination.</i></li> <li><i>Compare and order fractions, including fractions <math>&gt; 1</math>.</i></li> <li><i>Associate a fraction with division.</i></li> <li><i>Calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. <math>\frac{3}{8}</math>).</i></li> <li><i>Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.</i></li> </ul> <p><b>Week 8</b></p> <p><b>Year 5 Term 2 Unit 10 Week 6: Percentages</b></p> <p><b>Year 6 Term 2 Unit 12 Week 6: Multiplying and dividing fractions to solve problems</b></p> <ul style="list-style-type: none"> <li>Recognize the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred'.</li> <li>Write percentages as a fraction with denominator 100, and as a decimal.</li> <li><i>Multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g. <math>\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}</math>).</i></li> <li><i>Divide proper fractions by whole numbers (e.g. <math>\frac{1}{3} \div 2 = \frac{1}{6}</math>).</i></li> </ul>

Strand	National Curriculum Year 5 objectives	National Curriculum Year 6 objectives	Content (Year 5 and Year 6 sub-objectives)
Statistics	<ul style="list-style-type: none"> <li>Solve comparison, sum and difference problems using information presented in a line graph.</li> </ul>	<ul style="list-style-type: none"> <li>Interpret <i>and construct pie charts and line graphs</i> and use these to solve problems.</li> </ul>	<p><b><u>Week 9</u></b>  <b>Year 5 Term 2 Unit 11 Week 7: Line graphs</b>  <b>Year 6 Term 2 Unit 13 Week 7: Working with graphs and pie charts</b></p> <ul style="list-style-type: none"> <li>Solve comparison problems using information presented in a line graph.</li> <li>Solve sum and difference problems using information presented in a line graph.</li> <li><i>Interpret pie charts and use these to solve problems.</i></li> <li><i>Construct pie charts and use these to solve problems.</i></li> <li><i>Interpret line graphs and use these to solve problems.</i></li> <li><i>Construct line graphs and use these to solve problems.</i></li> </ul>
Addition and subtraction (Y5) Algebra (Y6)	<ul style="list-style-type: none"> <li>Add and subtract whole numbers with more than four digits, including using formal written methods (columnar addition and subtraction).</li> <li>Add and subtract numbers mentally with increasingly large numbers.</li> <li>Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.</li> <li>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</li> </ul>	<ul style="list-style-type: none"> <li><i>Generate and describe linear number sequences.</i></li> <li><i>Express missing number problems algebraically.</i></li> <li><i>Find pairs of numbers that satisfy an equation with two unknowns.</i></li> <li><i>Enumerate possibilities of combinations of two variables.</i></li> </ul>	<p><b><u>Week 10</u></b>  <b>Year 5 Term 2 Unit 12 Week 8: Missing numbers and solving problems in context</b>  <b>Year 6 Term 2 Unit 14 Week 8: Using algebra to describe sequences and equations with two unknown values</b></p> <ul style="list-style-type: none"> <li>Add and subtract whole numbers with more than four digits, including using formal written methods (columnar addition and subtraction).</li> <li>Add and subtract numbers mentally with increasingly large numbers.</li> <li>Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.</li> <li>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</li> <li><i>Generate and describe linear number sequences.</i></li> <li><i>Express missing number problems algebraically.</i></li> <li><i>Find pairs of numbers that satisfy an equation with two unknowns.</i></li> <li><i>Enumerate possibilities of combinations of two variables.</i></li> </ul>

Strand	National Curriculum Year 5 objectives	National Curriculum Year 6 objectives	Content (Year 5 and Year 6 sub-objectives)
Measurement	<ul style="list-style-type: none"> <li>Calculate and compare the area of rectangles (including squares), including using standard units, square centimetres (cm<sup>2</sup>) and square metres (m<sup>2</sup>) and estimate the area of irregular shapes.</li> </ul>	<ul style="list-style-type: none"> <li>Recognize that shapes with the same areas can have different perimeters and vice versa.</li> <li>Recognize when it is possible to use formulae for area and volume of shapes.</li> <li>Calculate the area of parallelograms and triangles.</li> </ul>	<p><b>Week 11</b></p> <p><b>Year 5 Term 2 Unit 13 Week 9: Calculating, estimating and comparing areas</b></p> <p><b>Year 6 Term 2 Unit 15 Week 9: Areas of parallelograms, triangles and related shapes</b></p> <ul style="list-style-type: none"> <li>Calculate the area of rectangles (including squares), including using standard units, square centimetres (cm<sup>2</sup>) and square metres (m<sup>2</sup>).</li> <li>Compare the area of rectangles (including squares), including using standard units, square centimetres (cm<sup>2</sup>) and square metres (m<sup>2</sup>).</li> <li>Estimate the area of irregular shapes.</li> <li>Recognize that shapes with the same areas can have different perimeters and vice versa.</li> <li>Recognize when it is possible to use formulae for area of shapes.</li> <li>Calculate the area of parallelograms.</li> <li>Calculate the area of triangles.</li> </ul>
Ratio and proportion (Y6)	<p>Year 5 Consolidation week</p> <ul style="list-style-type: none"> <li>This time could be used to recap angles work Term 1 Week 5 Unit 3 as pre-teaching for next geometry unit.</li> </ul>	<ul style="list-style-type: none"> <li>Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.</li> <li>Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.</li> </ul>	<p><b>Week 12</b></p> <p><b>Year 5 Consolidation week</b></p> <p><b>Year 6 Term 2 Unit 16 Week 10: Solving problems in proportional share situations</b></p> <ul style="list-style-type: none"> <li>Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.</li> <li>Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.</li> </ul>
Number and place value (Y5)	<ul style="list-style-type: none"> <li>Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit.</li> <li>Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000.</li> <li>Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.</li> <li>Solve number problems and practical problems that involve all of the above.</li> </ul>	<p>Year 6 Consolidation week</p>	<p><b>Week 13</b></p> <p><b>Year 5 Term 2 Unit 7 Week 1: Large positive integers are all around us</b></p> <p><b>Year 6 Consolidation week</b></p> <ul style="list-style-type: none"> <li>Read and write numbers to at least 1 000 000 and determine the value of each digit.</li> <li>Read, write, order and compare numbers to at least 1 000 000.</li> <li>Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000.</li> <li>Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.</li> <li>Solve number problems that involve all of the above.</li> <li>Solve practical problems that involve all of the above.</li> </ul>

Term 3			
Strand	National Curriculum Year 5 objectives	National Curriculum Year 6 objectives	Content (Year 5 and Year 6 sub-objectives)
Geometry: properties of shapes	<ul style="list-style-type: none"> <li>• Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles.</li> <li>• Draw given angles, and measure them in degrees (<math>^{\circ}</math>).</li> <li>• Identify:               <ul style="list-style-type: none"> <li>◦ angles at a point and one whole turn (total <math>360^{\circ}</math>);</li> <li>◦ angles at a point on a straight line and <math>\frac{1}{2}</math> a turn (total <math>180^{\circ}</math>);</li> <li>◦ other multiples of <math>90^{\circ}</math>.</li> </ul> </li> <li>• Use the properties of rectangles to deduce related facts and find missing lengths and angles.</li> <li>• Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons.</i></li> <li>• <i>Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius.</i></li> <li>• <i>Recognize angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.</i></li> </ul>	<p><b>Week 1</b></p> <p><b>Year 5 Term 1 Unit 3 Week 6: Reasoning and problem-solving with angles</b></p> <p><b>Year 6 Term 2 Week 11 Unit 17: Applying angle properties and relationships to work out the values of unknown angles</b></p> <ul style="list-style-type: none"> <li>• Know angles are measured in degrees.</li> <li>• Estimate and compare acute, obtuse and reflex angles.</li> <li>• Draw given angles and measure them in degrees (<math>^{\circ}</math>).</li> <li>• Identify angles at a point and one whole turn (total <math>360^{\circ}</math>).</li> <li>• Identify angles at a point on a straight line and <math>\frac{1}{2}</math> a turn (total <math>180^{\circ}</math>).</li> <li>• <i>Compare and classify geometric shapes based on their properties and sizes.</i></li> <li>• <i>Find unknown angles in any triangles, quadrilaterals, and regular polygons.</i></li> <li>• <i>Recognize angles where they meet at a point, are on a straight line, or are vertically opposite.</i></li> <li>• <i>Find missing angles.</i></li> </ul>
			<p><b>Week 2</b></p> <p><b>Year 5 Term 2 Unit 9 Week 4: Constructing shapes with given properties</b></p> <p><b>Year 6 Term 2 Unit 17 Week 12: Shapes and their properties, including circles</b></p> <ul style="list-style-type: none"> <li>• Use the properties of rectangles to deduce related facts.</li> <li>• Find missing lengths and angles.</li> <li>• Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.</li> <li>• Estimate and compare acute, obtuse and reflex angles.</li> <li>• Draw given angles, and measure them in degrees (<math>^{\circ}</math>).</li> <li>• <i>Compare and classify geometric shapes based on their properties and sizes.</i></li> <li>• <i>Illustrate and name parts of circles, including radius, diameter and circumference.</i></li> <li>• <i>Know that the diameter is twice the radius.</i></li> </ul>

Strand	National Curriculum Year 5 objectives	National Curriculum Year 6 objectives	Content (Year 5 and Year 6 sub-objectives)
Multiplication and division (Y5)  Statistics (Y6)	<ul style="list-style-type: none"> <li>• Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.</li> <li>• Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.</li> <li>• Recognize and use square numbers and cube numbers, and the notation for squared (<math>^2</math>) and cubed (<math>^3</math>).</li> <li>• Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Calculate and interpret the mean as an average.</i></li> </ul>	<p><b>Week 3</b></p> <p><b>Year 5 Term 3 Unit 16 Week 2: Recognize and represent square and cube numbers</b></p> <p><b>Year 6 Term 3 Unit 18 Week 1: Calculate and interpret the mean as an average</b></p> <ul style="list-style-type: none"> <li>• Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.</li> <li>• Recognize and use square numbers and cube numbers, and the notation for squared (<math>^2</math>) and cubed (<math>^3</math>).</li> <li>• <i>Calculate the mean.</i></li> <li>• <i>Interpret the mean as an average.</i></li> </ul>
Multiplication and division (Y5)  Addition, subtraction, multiplication and division (Y6)	<ul style="list-style-type: none"> <li>• Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.</li> <li>• Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.</li> <li>• Recognize and use square numbers and cube numbers, and the notation for squared (<math>^2</math>) and cubed (<math>^3</math>).</li> <li>• Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes.</li> <li>• Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.</li> <li>• Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.</li> </ul>	<ul style="list-style-type: none"> <li>• Perform mental calculations, <i>including with mixed operations and large numbers.</i></li> <li>• Identify <i>common factors, common multiples and prime numbers.</i></li> <li>• <i>Use their knowledge of the order of operations to carry out calculations involving the four operations.</i></li> <li>• Solve addition and subtraction <i>multi-step problems in contexts, deciding which operations and methods to use and why.</i></li> <li>• Solve problems involving addition, subtraction, multiplication and division.</li> </ul>	<p><b>Week 4</b></p> <p><b>Year 5 Term 3 Unit 16 Week 3: Multiply and divide whole and decimal numbers by 10, 100 and 1000 (continued)</b></p> <p><b>Year 6 Term 3 Unit 19 Week 2: Solving and comparing multi-step problems</b></p> <ul style="list-style-type: none"> <li>• Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.</li> <li>• <i>Perform mental calculations, including with mixed operations and large numbers.</i></li> <li>• <i>Solve problems involving addition, subtraction, multiplication and division.</i></li> <li>• <i>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</i></li> </ul> <p><b>Week 5</b></p> <p><b>Year 5 Term 3 Unit 16 Week 4: Solve problems strategically, using squares, cubes, equivalence and simple rates (continued)</b></p> <p><b>Year 6 Term 3 Unit 19 Week 3: Number and calculation relationships and properties</b></p> <ul style="list-style-type: none"> <li>• Recognize and use square numbers and cube numbers, and the notation for squared (<math>^2</math>) and cubed (<math>^3</math>).</li> <li>• Solve problems, involving addition, subtraction, multiplication and division, and a combination of these, including understanding the meaning of the equals sign.</li> <li>• Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.</li> <li>• <i>Identify common factors, common multiples and prime numbers.</i></li> <li>• <i>Perform mental calculations, including with mixed operations and large numbers.</i></li> </ul>

Strand	National Curriculum Year 5 objectives	National Curriculum Year 6 objectives	Content (Year 5 and Year 6 sub-objectives)
Fractions	<ul style="list-style-type: none"> <li>Recognize mixed numbers and improper fractions and convert from one form to the other and write mathematical statements <math>&gt; 1</math> as a mixed number (e.g. <math>\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1 \frac{1}{5}</math>).</li> <li>Add and subtract fractions with the same denominator and denominators that are multiples of the same number.</li> <li>Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.</li> <li>Read, write, order and compare numbers with up to three decimal places.</li> <li>Recognize the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal.</li> <li>Solve problems which require knowing percentage and decimal equivalents of <math>\frac{1}{2}, \frac{1}{4}, \frac{1}{5}, \frac{2}{5}, \frac{4}{5}</math> and those fractions with a denominator of a multiple of 10 or 25.</li> </ul>	<ul style="list-style-type: none"> <li>Associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. <math>\frac{3}{8}</math>).</li> <li>Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places.</li> <li>Solve problems which require answers to be rounded to specified degrees of accuracy.</li> <li>Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.</li> </ul>	<p><b>Week 6</b>  <b>Year 5 Term 3 Unit 18 Week 6: Operating on fractions</b>  <b>Year 6 Term 3 Unit 20 Week 4: Solving problems involving fractions, decimals and percentages</b></p> <ul style="list-style-type: none"> <li>Recognize mixed numbers and improper fractions.</li> <li>Convert mixed numbers and improper fractions one form to the other and write mathematical statements <math>&gt; 1</math> as a mixed number (e.g. <math>\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1 \frac{1}{5}</math>).</li> <li>Add and subtract fractions with the same denominator.</li> <li>Add and subtract fractions with denominators that are multiples of the same number.</li> <li>Multiply proper fractions by whole numbers, supported by materials and diagrams.</li> <li>Multiply mixed numbers by whole numbers, supported by materials and diagrams.</li> <li>Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.</li> <li>Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.</li> <li>Solve problems which require answers to be rounded to specified degrees of accuracy.</li> </ul> <p><b>Week 7</b>  <b>Year 5 Term 3 Unit 18 Week 7: Percentages and problem solving</b>  <b>Year 6 Term 3 Unit 20 Week 5: Working with percentages, decimals and fractions</b></p> <ul style="list-style-type: none"> <li>Recognize the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred'.</li> <li>Write percentages as a fraction with denominator 100, and as a decimal.</li> <li>Read, write, order and compare numbers with up to three decimal places.</li> <li>Solve problems which require knowing percentage and decimal equivalents of <math>\frac{1}{2}, \frac{1}{4}, \frac{1}{5}, \frac{2}{5}, \frac{4}{5}</math> and those fractions with a denominator of a multiple of 10 or 25.</li> <li>Identify the value of each digit in numbers given to three decimal places.</li> <li>Multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places.</li> <li>Solve problems which require answers to be rounded to specified degrees of accuracy.</li> <li>Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.</li> </ul>

Strand	National Curriculum Year 5 objectives	National Curriculum Year 6 objectives	Content (Year 5 and Year 6 sub-objectives)
Ratio and proportion (Y6)	Year 5 Consolidation week	<ul style="list-style-type: none"> <li>Solve problems involving the calculation of percentages (e.g. of measures, and such as 15% of 360) and the use of percentages for comparison.</li> <li>Solve problems involving similar shapes where the scale factor is known or can be found.</li> </ul>	<p><b>Week 8</b></p> <p><b>Year 5 Consolidation week</b></p> <ul style="list-style-type: none"> <li></li> </ul>
Geometry: properties of shapes (Y5)	<ul style="list-style-type: none"> <li>Identify 3D shapes, including cubes and other cuboids, from 2D representations.</li> </ul>	Year 6 Secondary progression work	<p><b>Week 9</b></p> <p><b>Year 5 Term 3 Unit 17 Week 5: Identifying and naming 3D shapes from 2D representations</b></p> <ul style="list-style-type: none"> <li>Identify 3D shapes, including cubes and other cuboids, from 2D representations.</li> </ul>
Statistics (Y5)	<ul style="list-style-type: none"> <li>Complete, read and interpret information in tables, including timetables.</li> </ul>	Year 6 Secondary progression work	<p><b>Week 10</b></p> <p><b>Year 5 Term 3 Unit 19 Week 8: Presenting and interpreting data in tables</b></p> <ul style="list-style-type: none"> <li>Complete, read and interpret information in tables, including timetables.</li> </ul>
Addition and subtraction (Y5)	<ul style="list-style-type: none"> <li>Add and subtract whole numbers with more than four digits, including using formal written methods (columnar addition and subtraction).</li> <li>Add and subtract numbers mentally with increasingly large numbers.</li> <li>Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.</li> <li>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</li> </ul>	Year 6 Secondary progression work	<p><b>Week 11</b></p> <p><b>Year 5 Term 3 Unit 20 Week 9: Making decisions when calculating</b></p> <ul style="list-style-type: none"> <li>Add and subtract whole numbers with more than four digits, including using formal written methods (columnar addition and subtraction).</li> <li>Add and subtract numbers mentally with increasingly large numbers.</li> <li>Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.</li> <li>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</li> </ul>



Strand	National Curriculum Year 5 objectives	National Curriculum Year 6 objectives	Content (Year 5 and Year 6 sub-objectives)
Measurement (Y5)	<ul style="list-style-type: none"> <li>Convert between different units of metric measure (e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre).</li> <li>Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints.</li> <li>Solve problems involving converting between units of time.</li> <li>Use all four operations to solve problems involving measure (e.g. length, mass, volume, money) using decimal notation, including scaling.</li> </ul>	<ul style="list-style-type: none"> <li>Year 6 Secondary progression work</li> </ul>	<p><b><u>Week 12</u></b>  <b>Year 5 Term 3 Unit 21 Week 10: Metric and imperial units in everyday contexts</b></p> <ul style="list-style-type: none"> <li>Convert between different units of metric measure (e.g. gram and kilogram).</li> <li>Understand approximate equivalences between pounds and kilograms.</li> <li>Use approximate equivalences between pounds and kilograms.</li> <li>Use addition and subtraction to solve problems involving mass and money using decimal notation.</li> <li>Use all four operations to solve problems involving mass and money, including scaling.</li> <li>Solve problems involving converting between units of time.</li> </ul>
<b>SATs week</b>			This week needs to be scheduled within Term 3 according to term and testing dates