

## Maths Curriculum 2014

	AUTUMN	SPRING	SUMMER
	<ul style="list-style-type: none"> <li>• Use of vocabulary for addition/ subtraction</li> <li>• Recording/ using marks that children can use to explain their calculations</li> <li>• Counting forwards and backwards in steps of 1 and then 2,5,10</li> <li>• Developing use of time language</li> </ul>		
Reception	<ul style="list-style-type: none"> <li>• Reading/ recognising numbers to at least 10</li> <li>• Counting objects accurately with 1:1 correspondence to at least 10</li> <li>• Matching numerals to sets of objects</li> <li>• Finding 1 more/ less than a given number up to at least 5</li> <li>• Ordering numbers to at least 5</li> <li>• Sequence events of the day</li> </ul>	<ul style="list-style-type: none"> <li>• Reading/ recognising numbers to at least 20</li> <li>• Counting objects accurately with 1:1 correspondence to at least 20</li> <li>• Finding 1 more/ less than a given number up to at least 10</li> <li>• Ordering numbers to at least 10</li> <li>• Add/ subtract U+-U</li> <li>• Order items by length/ height</li> </ul>	<ul style="list-style-type: none"> <li>• Reading/ recognising numbers to at least 20 and beginning to work up to 30</li> <li>• Counting objects accurately with 1:1 correspondence to at least 20 and beginning to work up to 30</li> <li>• Finding 1 more/ less than a given number up to at least 20</li> <li>• Ordering numbers to at least 20</li> </ul>
	<ul style="list-style-type: none"> <li>• Estimating quantity and checking by counting</li> <li>• Being able to combine two groups of objects (+)</li> <li>• Counting objects accurately</li> <li>• Begin to recognise and name 2D shapes</li> <li>• Use shapes to create a pattern</li> <li>• Use of positional language</li> <li>• Order items by weight/ capacity</li> </ul>	<ul style="list-style-type: none"> <li>• Solve problems involving doubling (link to money)</li> <li>• Add/ subtract U+-U</li> <li>• Solve problems involving sharing/ halving (link to money)</li> <li>• Begin to recognise and name 3D shapes, use of model building</li> <li>• Measure short periods of time, be able to sequence events in the day</li> </ul>	<ul style="list-style-type: none"> <li>• Solve problems involving doubling. Beginning to work with 2,5,10</li> <li>• Solve problems involving sharing/ halving and grouping in to 2,5,10</li> <li>• Begin to recognise and name 2D/3D shapes</li> <li>• Use shapes to create a pattern</li> </ul>

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Year 1	<b>To be embedded throughout the year:</b> <ul style="list-style-type: none"> <li>Counting/ Number skills</li> <li>Use of all four operations.</li> <li>Number bonds/ facts to 20 and then beyond.</li> <li>Problem Solving using mental and written methods for all four operations.</li> </ul>		
	<ul style="list-style-type: none"> <li>Counting up to 100 (Forwards/ backwards) and in multiples of 2,5,10.</li> <li>Comparing numbers (place value)/ Identifying/ estimating numbers/ Odds and evens</li> <li>Reading and writing numbers</li> <li>Number bonds/ facts</li> <li>Addition/ Subtraction using concrete objects (Problem solving)</li> <li>Sequences of events</li> </ul>	<ul style="list-style-type: none"> <li>3D Shape</li> <li>Comparing estimating/ Measures - length/ height</li> <li>Counting/ Reading and writing numbers</li> <li>Comparing numbers/ Identifying/ estimating numbers</li> <li>Number bonds/ facts - inverse</li> <li>Calculating - money (Using word problems)</li> </ul>	<ul style="list-style-type: none"> <li>Equations/ inverse for all four operations</li> <li>Comparing estimating/ Measures - capacity/ volume</li> <li>Comparing numbers/ Identifying/ estimating numbers</li> <li>Number bonds/ facts - inverse</li> <li>Puzzles/ investigations</li> </ul>
	<ul style="list-style-type: none"> <li>Multiplication/ division facts - use of arrays for multiplying and pictorial representation for division/ sharing</li> <li>Recognising fractions linked to position/ direction/ division.</li> <li>Telling the time/ time problems</li> <li>2D shape</li> </ul>	<ul style="list-style-type: none"> <li>Comparing estimating/ Measures - mass/ weight</li> <li>Position, direction and movement</li> <li>Mental/Written Methods - Use of sharing for division/ repeated addition for multiplication.</li> <li>Telling the time and recognising fractions <math>\frac{1}{2}</math> <math>\frac{1}{4}</math> of shapes/ amounts.</li> </ul>	<ul style="list-style-type: none"> <li>2D/3D shape</li> <li>Mental/ Written methods linked to all 4 operations.</li> <li>Calculating - money</li> <li>Multiplication/ division facts</li> <li>Mental recall of number bonds/ facts</li> <li>Position, direction and movement</li> </ul>

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<p>Year 2</p>	<p><b>To be embedded throughout the year:</b></p> <ul style="list-style-type: none"> <li>• Use of mental strategies</li> <li>• Use of written methods</li> <li>• Number bonds/ facts to 100</li> <li>• Mental multiplication - recall of 2,5,10 times tables</li> <li>• Data handling through ICT/ Science</li> </ul>		
	<ul style="list-style-type: none"> <li>• Counting in steps of 2,3,5</li> <li>• Place value of TU</li> <li>• Comparing numbers/ Identifying and ordering/ estimating numbers</li> <li>• &lt; &gt; Greater/ Less than</li> <li>• Read/ Write numbers in numerals/ words.</li> <li>• Odds/ Evens</li> <li>• Addition/ Subtraction using concrete objects (Problem solving with quantities and measures). Investigate the commutative law of addition/ subtraction.</li> <li>• 2D shapes/ Symmetry</li> <li>• Multiplication as repeated</li> </ul>	<ul style="list-style-type: none"> <li>• Recall 2,5,10 times tables.</li> <li>• Number bonds/ facts to 100</li> <li>• Multiplying and dividing problems using tables - pictorial representation for division/ sharing</li> <li>• Solve problems using money (addition)</li> <li>• Solve problems using money (Giving change)</li> <li>• 3D shapes and language</li> <li>• Sort objects- Venns/ Carrols</li> <li>• Patterns of shapes</li> <li>• Measures - standard measures for weight, comparing and ordering.</li> </ul>	<ul style="list-style-type: none"> <li>• Number bonds/ facts to 100.</li> <li>• Solve problems involving money.</li> <li>• Multiplication/Division work linked to tables.</li> <li>• Fraction work - equivalent fractions of amounts/ shape.</li> <li>• Measures - standard measures for capacity, comparing and ordering.</li> <li>• 2D/3D shape.</li> <li>• Record/ write the time to five minutes/ Conversion of time</li> <li>• Recap data handling</li> </ul>

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addition/ arrays		
<ul style="list-style-type: none"> <li>• Recall 2,5,10 times tables.</li> <li>• Addition/ Subtraction with U+-U/TU+-U/ TU+-10/ TU+ -TU. £/p combining amounts to make a given total.</li> <li>• Recognise name <math>1/3</math> <math>\frac{1}{4}</math> <math>2/4</math> <math>\frac{3}{4}</math> of a shape and work on equivalent fractions. Link to division</li> <li>• Record/ write the time to quarter past/ to.</li> <li>• Pictograms/ Tally charts/ block graphs/ Simple tables/ Interpretation/ sorting/ analysis of data</li> <li>• Measures - standard measures for length/ temperature (M/CM), comparing and ordering.</li> </ul>	<ul style="list-style-type: none"> <li>• Addition/ Subtraction with U+-U+-U/TU+-U/ TU+-10/ TU+ -TU</li> <li>• Commutative law of all four operations/ rules of written methods - Inverse - missing number problems</li> <li>• Multiplication/ Division facts of problems in context using tables.</li> <li>• Recognise name <math>1/3</math> <math>\frac{1}{4}</math> <math>2/4</math> <math>\frac{3}{4}</math> of a length or quantity, finding simple fractions of amounts</li> <li>• Position/ direction/ movement/ rotation (right angle, clockwise, anticlockwise, half/ quarter turns - ICT Link)</li> <li>• Compare/ sequence intervals of time - number of hours in a day.</li> </ul>	<ul style="list-style-type: none"> <li>• Recall 2,5,10 times tables</li> <li>• Read/ Write numbers in numerals/ words</li> <li>• Multiplying and dividing problems using tables</li> <li>• Addition/ Subtraction with U+-U+-U/TU+-U/ TU+-10/ TU+ -TU</li> <li>• Commutative law of all four operations/ rules of written methods - Inverse - missing number problems</li> <li>• Recognise name <math>1/3</math> <math>\frac{1}{4}</math> <math>2/4</math> <math>\frac{3}{4}</math> of a length, shape or quantity</li> <li>• Counting in fractions</li> <li>• Visual/ practical investigations and problems</li> <li>• Pictograms/ Tally charts/ block graphs/ Simple tables/ Interpretation/ sorting/ analysis of data</li> </ul>

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Year 3	<p><b>To be embedded throughout the year:</b></p> <ul style="list-style-type: none"> <li>• Place value</li> <li>• Fractions</li> <li>• Recall of times table facts for 2,3,4,5,8,10</li> <li>• Solving number problems/ real life problems.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Count from 0 in multiples of 4, 8, 50 and 100.</li> <li>• Find 10 or 100 more or less than a given number.</li> <li>• Comparing/ ordering numbers to 1000</li> <li>• Round any number to the nearest 10, 100</li> <li>• Identify/ represent and estimate numbers using different representations (reasoning) - inverse</li> <li>• Read/ Write numerals up to 1000 in words/ numbers</li> <li>• Place value of HTU</li> <li>• Add/Subtract numbers mentally/informal written methods up to HTU+/- U HTU+/- TU HTU+/-HTU - look at inverse</li> <li>• Multiply/ divide within times</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recall multiplication facts of 2,3,4,5,8 and 10</b></li> <li>• Solve number problems, inc missing number problems using PV/ Number facts and <b>move on to larger numbers</b>. Use of all four operations</li> <li>• Introduce the column method of addition/ subtraction</li> <li>• Measure, compare, add and subtract length (cm/mm/m)</li> <li>• Solving number problems in the context of... Add amounts of money (£ and p) in practical contexts</li> <li>• Measure perimeter of 2D shapes</li> <li>• Interpret and present data using bar charts, pictograms and tables</li> <li>• Use of scaled bar charts</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Recall multiplication facts of 2,3,4,5,8 and 10</b></li> <li>• Formal written method for multiplication (TUxU)</li> <li>• Measure, compare, add and subtract volume and capacity (l/ml)</li> <li>• Measure, compare, add and subtract mass (kg/g)</li> <li>• Recognise angles are a property of a shape/ description of a turn</li> <li>• Identifying right angles as a turn or parts of a whole turn</li> <li>• Identify obtuse and acute angles. Identify horizontal and vertical lines and pairs of perpendicular and parallel lines</li> </ul>

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	<p>tables - informal written methods</p> <ul style="list-style-type: none"> <li>Recall multiplication facts of 2,3,4,5,8 and 10</li> <li>Solving number problems</li> </ul>	<ul style="list-style-type: none"> <li>One and two-stepped questions about the presented information</li> </ul>	
	<ul style="list-style-type: none"> <li>Find equivalent fractions using pictorial representation</li> <li>Recognise, find and write fractions of a group of objects including unit (<math>\frac{1}{5}</math>) and non-unit fractions (<math>\frac{2}{5}</math>)</li> <li>Recognise and use fractions as numbers (<math>\frac{1}{2}</math> of 20 = <math>\frac{20}{2}</math>) - informal methods for division</li> <li>Telling and writing the time - including XII/ 12 hr/ 24hr (Analogue)</li> <li>Estimate/ read time to the nearest minute</li> <li>Record/ compare time - seconds/ minutes/ hours/ noon/ midnight/ am/ pm etc</li> <li>Draw 2D shapes</li> <li>Make 3D shapes using modelling materials</li> </ul>	<ul style="list-style-type: none"> <li>Passing of time - days in month/ year/ leap year etc</li> <li>Calculating time taken (use of a real context)</li> <li>Count up and down in tenths, recognising <math>\frac{1}{10}</math></li> <li>Adding/ subtracting of fractions with same denominator</li> <li>Comparing and ordering unit fractions and non-unit fractions with the same denominators</li> <li>Finding change for amounts of money (£ and p) in practical contexts</li> <li>Begin to solve problems involving ratio, fractions and proportion (Scaling up/ relationships/ different representations) including all possibility problems.</li> </ul>	<ul style="list-style-type: none"> <li>Interpret and present data using bar charts, pictograms and tables</li> <li>Use of scaled bar charts</li> <li>One and two-stepped questions about the presented information</li> <li>Formal written method for short division</li> <li>Use of all four operations moving towards a formal written method</li> <li>Solve problems involving fractions</li> <li>Recognising 3D shapes in different orientations</li> </ul>

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Year 4	<b>To be embedded throughout the year:</b> <ul style="list-style-type: none"> <li>• Solve number problems up to and over 1000</li> <li>• Counting in a variety of steps</li> <li>• Use of all four operations in a range of different contexts</li> <li>• Securing an understanding of fractions/ decimals</li> </ul>		
	<ul style="list-style-type: none"> <li>• Counting in multiples of 6,7,9,25,1000</li> <li>• Find 1000 more or less than a given number</li> <li>• Count backwards through 0 using negative numbers</li> <li>• Recognise ThHTU</li> <li>• Order/ compare numbers over 1000</li> <li>• Identify/ represent and estimate numbers using different representations (6=2+2+2/ 6=3 x 2)</li> <li>• Add ThHTU and up to ThHTU progressing to formal written method</li> <li>• Subtract ThHTU and up to ThHTU progressing to formal written method</li> <li>• Recognise and use factors - focus on use of inverse</li> </ul>	<ul style="list-style-type: none"> <li>• Round any number to the nearest 10, 100 or 1000</li> <li>• Count up and down in 1/100, recognising its value and how <math>1/10 \div 10 = 1/100</math></li> <li>• Solve simple measure and money problems using decimals to 2dp (4 operations)</li> <li>• Solve simple measure and money problems using fractions (4 operations)</li> <li>• Recognise common equivalent fractions using pictorial representation</li> <li>• Using unit and non-unit fractions to find quantities of an integer.</li> <li>• Add fractions with the same denominator</li> <li>• Subtract fractions with the same denominator</li> <li>• Compare and classify geometric</li> </ul>	<ul style="list-style-type: none"> <li>• Add ThHTU and up to ThHTU progressing to formal written method</li> <li>• Subtract ThHTU and up to ThHTU progressing to formal written method</li> <li>• Begin to solve problems involving ratio, fractions and proportion (Scaling up/ relationships/ different representations) including all possibility problems.</li> <li>• Conversion of units of measures (Money/ kilometres-metres/ hours-minutes etc)</li> <li>• Calculate perimeter of a rectilinear in cm/m moving towards algebraic representation <math>[2(a+b)]</math></li> <li>• Find area of rectilinear shapes by counting squares</li> </ul>

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	<ul style="list-style-type: none"> <li>Use place value to multiply/divide mentally</li> </ul>	<p>shapes including quadrilaterals and triangles based on properties and sizes.</p> <ul style="list-style-type: none"> <li>Identify acute and obtuse angles</li> <li>Compare/ order angles up to 180'</li> <li>Identify lines of symmetry in 2D shapes presented in different orientations</li> <li>Complete a simple symmetric figure with respect to a single line of symmetry</li> </ul>	
	<ul style="list-style-type: none"> <li>Multiplying using formal written method - HTU x U</li> <li>Multiplying/ Dividing by 0 and 1</li> <li>Solving 2 step problems in a context and explain reasoning</li> <li><b>Recall ALL multiplication tables up to 12 x 12</b></li> <li>Read roman numerals from 1 to 100 and know that over time the numeral system changed to include 0 and place value</li> <li>Read, write and convert time between analogue and digital 12</li> </ul>	<ul style="list-style-type: none"> <li>Multiplying 3 numbers together</li> <li>Estimate and use inverse as a tool for checking</li> <li>Problems involving multiplying and adding (brackets) TU x U</li> <li>Write decimal equivalents of any number of tenths or hundredths</li> <li>Recognise and write decimal equivalents of <math>\frac{1}{4}</math>, <math>\frac{1}{2}</math>, <math>\frac{3}{4}</math></li> <li>Dividing TU/U by 10 and 100 and understanding the place value</li> <li>Rounding numbers with 1 decimal place to a whole number</li> </ul>	<ul style="list-style-type: none"> <li>Describe positions on a grid as coordinates in the first quadrant</li> <li>Describe movements between positions as translations of a given unit.</li> <li>Use and plot coordinates (ICT Link)</li> <li><b>Interpret discrete and continuous data using appropriate graphical methods including bar charts and time graphs</b></li> </ul>



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	<p>and 24 hour clocks</p> <ul style="list-style-type: none"> <li>Solve problems involving converting from hours to minutes, minutes to seconds, years to months, week to days</li> </ul>	<ul style="list-style-type: none"> <li>Compare and order decimals to 2 dp</li> <li>Interpret discrete and continuous data using appropriate graphical methods including bar charts and time graphs</li> <li>Solving comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs</li> </ul>	<ul style="list-style-type: none"> <li>Solving comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs</li> <li>Estimate, compare and calculate different measures (inc money in £ and P)</li> <li>Fractions/ decimals</li> <li>Work on all 4 operations in a real context with formal written methods.</li> </ul>
<b>Year 5</b>	<p><b>To be embedded throughout the year:</b></p> <ul style="list-style-type: none"> <li>Read roman numerals to 1000 and recognise years written in roman numerals</li> <li>Count forwards and backwards in powers of 10 for any given number to 1 000 000 (For example: 10/100/1000/10 000/ 100 000)</li> <li>Secure use of formal written methods for all four operations</li> </ul>		
	<ul style="list-style-type: none"> <li>Read, write and compare numbers to 1 000 000 and understand the place value</li> <li>Add and subtract whole numbers with more than 4 digits, using formal written methods</li> <li>Add and subtract numbers mentally</li> </ul>	<ul style="list-style-type: none"> <li>Interpret negative numbers in contexts, counting forwards and backwards in whole numbers through 0</li> <li>Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000</li> <li>Round decimals with 2 dp to</li> </ul>	<ul style="list-style-type: none"> <li>Convert between different units of metric measure (km/m, cm/m, cm/mm- g/kg, l/ml)</li> <li>Convert between metric and imperial units (inches/ pounds/ pints)</li> <li>Solve problems involving the conversion of units of time</li> </ul>

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	<ul style="list-style-type: none"><li>• Multiply and divide numbers mentally, drawing upon known facts. Multiply and divide whole numbers and those involving decimals by 10,100,1000</li><li>• Multiply up to ThHTU by U/TU using a formal written method including long multiplication. Recognise and use square and cube numbers and their notation</li><li>• Divide ThHTU by a one digit number using formal written method, with correct interpretation of remainders</li><li>• Multistep problems, choosing correct operation and explain reasoning</li><li>• Solve problems using all four operations and a combination of these, including understanding '=' (Balancing equations: <math>5 \times 5 = 50/2</math>)</li><li>• Read/Write/ Order and compare numbers with up to 3dp</li><li>• Solve problems involving decimal numbers up to 3 dp</li></ul>	<ul style="list-style-type: none"><li>• nearest whole number/ 1dp</li><li>• Use rounding to check and estimate answers to calculations and determine their accuracy</li><li>• Identify and draw 3D shapes, know angles are measured in degrees. Estimate and compare obtuse/acute and reflex angles</li><li>• Distinguish between regular/ irregular shapes based on angles and lengths of sides</li><li>• Draw angles and measure in degrees</li></ul>	<ul style="list-style-type: none"><li>• Measure and calculate perimeter of composite rectilinear shapes in cm/m</li><li>• Calculate and compare the area of squares and rectangles, including using standard units (cm<sup>2</sup>, m<sup>2</sup>) and estimate the area of irregular shapes</li><li>• Identify, describe and represent the position of a shape following a reflection or translation</li><li>• Estimate volume and capacity</li></ul>
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	<ul style="list-style-type: none"> <li>• Recognise % and understand it relates to number of parts per hundred and write % as a fraction with denominator of 100 and as a decimal fraction</li> <li>• Compare and order fractions whose denominators are multiples of each other</li> <li>• Visual representations of equivalent fractions (including 1/10 and 1/100)</li> <li>• Recognise mixed numbers and improper fractions and convert from one to the other and write as a mathematical statement (<math>2/5 + 4/5 = 6/5 = 1 \frac{1}{5}</math>)</li> <li>• Add and subtract fractions with the same denominator and multiples of the same number</li> <li>• Identify multiples and factors, finding all common factors of a number and common factors of 2 numbers</li> <li>• Establish numbers up to 100 that are prime and recall all prime numbers up to 19</li> </ul>	<ul style="list-style-type: none"> <li>• Recognise % and understand it relates to number of parts per hundred and write % as a fraction with denominator of 100 and as a decimal fraction</li> <li>• Solve problems which require knowing % and decimal equivalence of <math>\frac{1}{2}</math> <math>\frac{1}{4}</math> <math>1/5</math> <math>2/5</math> <math>4/5</math> and those with a denominator of 10 or 25</li> <li>• Multiply up to ThHTU by U/TU using a formal written method including long multiplication</li> <li>• Divide ThHTU by a one digit number using formal written method, with correct interpretation of remainders</li> <li>• Multiply proper fractions and mixed numbers by whole numbers, supporting by concrete resources/ diagrams</li> <li>• Read and write decimal numbers as fractions (<math>0.71 = 71/100</math>)</li> <li>• Recognise and use 1/1000 and relate them to 1/10 and 1/100</li> </ul>	<ul style="list-style-type: none"> <li>• Solve problems involving multiplication and division including scaling by simple fractions/rates and percentages</li> <li>• Understand multiples of 900</li> <li>• Find missing angles on a line using understanding of shape</li> <li>• Use properties of rectangles to deduce related facts of length and missing angles</li> <li>• Complete, read and interpret information in tables and timetables</li> <li>• Solve comparison, sum and difference problems using information presented in a line graph (Link to science)</li> </ul>
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	<ul style="list-style-type: none"> <li>• Know and use vocabulary of prime numbers/ factors and composite (non-prime)</li> <li>• Solve problems involving multiplication and division problems that require decomposing numbers in to their factors (Use of partitioning to support solving the answer)</li> </ul>	and decimal equivalents	
<b>Year 6</b>	<b>To be embedded throughout the year:</b> <ul style="list-style-type: none"> <li>• Use of formal written methods</li> <li>• Number facts</li> <li>• Understanding of decimals/ fractions/ % / ratio</li> <li>• Use of mental methods for developing mathematical fluency</li> </ul>		
	<ul style="list-style-type: none"> <li>• Read, order, write and compare numbers up to 10 000 000 understanding the place value</li> <li>• Round any whole number to a required degree of accuracy</li> <li>• Use negative numbers in context and work across 0</li> <li>• Multiply up to ThHTU x TU using a formal written method. Multiply and divide numbers by 10/100/1000 up to 3dp. Multiply one-digit numbers with up to two</li> </ul>	<ul style="list-style-type: none"> <li>• Identify the value of numbers to 3dp</li> <li>• Use formal written method to solve division where the answer is up to 2dp</li> <li>• Recall and use equivalences of simple fractions, decimals and percentages in different contexts</li> <li>• Solve problems involving missing parts of ratio and proportion</li> <li>• Solve problems involving % of amounts and % of comparisons</li> </ul>	<ul style="list-style-type: none"> <li>• Recognise angles on lines/ opposites and find missing angles</li> <li>• Describe coordinates in all four quadrants</li> <li>• Draw and translate simple shapes on the coordinate plane and reflect them in the axes</li> <li>• Interpret and construct pie charts and use them to solve problems</li> <li>• Illustrate and name parts of circles</li> </ul>

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	<p>dp by whole numbers</p> <ul style="list-style-type: none"> <li>• Divide numbers up to ThHTU x TU using a formal written method and interpret remainders as whole numbers, fractions or by rounding</li> <li>• Mental calculations including mixed operations</li> </ul>	<ul style="list-style-type: none"> <li>• Solve problems involving the scaling of shapes</li> <li>• Solve problems involving unequal sharing or grouping (ratio/fractions)</li> <li>• Associate a fraction with division and calculate decimal fraction equivalents</li> </ul>	<ul style="list-style-type: none"> <li>• Interpret and construct line graphs and use them to solve problems</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 greater than 1</li> <li>• Add and subtract fractions with different denominators with mixed numbers, using the concept of equivalent fractions (<math>\frac{1}{2} + \frac{1}{8} = \frac{5}{8}</math>)</li> <li>• Multiply simple pairs of fractions, writing answers in simplest form</li> <li>• Divide proper fractions by whole numbers</li> <li>• Calculate mean as an average</li> </ul>	<ul style="list-style-type: none"> <li>• Identify common factors, multiples and prime numbers</li> <li>• Solve addition and subtraction multi-step problems in context deciding on correct operation and why</li> <li>• Solve problems involving all four operations</li> <li>• BODMAS</li> <li>• Estimate to check answers to calculations to ensure levels of accuracy</li> <li>• Express missing number problems algebraically</li> <li>• Use simple formula expressed in words</li> <li>• Generate and describe linear number sequences (finding the nth</li> </ul>	<ul style="list-style-type: none"> <li>• Draw 2D shapes accurately with given dimensions and angles</li> <li>• Recognise, describe and build simple 3D shapes by making nets</li> <li>• Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons</li> </ul>

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		term) • Find pairs of numbers that satisfy number sentences with 2 unknowns ( $a+b=b+a$ ) and ( $2a+2b=x$ , what could a and b be?)	
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