



Maths Progression

	30-50 months	40-60 months	40-60 months +
<b>Number</b>	<p>Uses some number names and number language spontaneously</p> <p>Uses some number names accurately in play</p> <p>Recites numbers in order to 10</p> <p>Knows that numbers identify how many objects are in a set</p> <p>Is beginning to represent numbers using fingers, marks on paper or pictures</p> <p>Sometimes matches numeral and quantity correctly</p> <p>Shows curiosity about numbers by offering comments or asking questions</p> <p>Compares two groups of objects, saying when they have the same number</p> <p>Shows an interest in number problems</p> <p>Separates a group of three or four objects in different ways, beginning to recognise that the total is still the same</p> <p>Shows an interest in numerals in the environment</p> <p>Shows an interest in representing numbers</p> <p>Realises not only objects, but anything can be counted, including steps, claps or jumps</p>	<p>Recognises some numerals of personal significance as well as 1 to 5</p> <p>Counts up to three or four objects, including those which cannot be moved</p> <p>Counts objects to 10, and beginning to count beyond 10</p> <p>Counts out up to six objects from a larger group and an irregular arrangement of up to ten objects</p> <p>Selects the correct numeral to represent 1 to 5, then 1 to 10 objects</p> <p>Estimates how many objects he/she can see and checks by counting</p> <p>Uses the language of "more" and "fewer" to compare two sets</p> <p>Finds the total number of items in two groups by counting all of them</p> <p>Says the number that is one more than a given number</p> <p>Finds one more or less from a group of up to five or ten objects</p> <p>Is beginning to use the vocabulary involved in adding and subtracting</p> <p>Records, using marks that he/she can interpret and explain</p> <p>Begins to identify his/her own mathematical problems based on his/her own interests and fascinations</p> <p><b>Counts reliably with numbers from 1 to 20, places them in order and says which number is one more or one less than a given number (ELG)</b></p> <p><b>Adds and subtracts, using quantities and objects, 2 single-digit numbers, and counts on or back to find the answer (ELG)</b></p> <p><b>Solves problems, including doubling, halving and sharing (ELG)</b></p>	<p><b>Estimates a number of objects and checks quantities by counting up to 20 (ELG Exc)</b></p> <p><b>Solves practical problems that involve combining groups of 2, 5 or 10, or sharing into equal groups (ELG Exc)</b></p>

<b>Shape, Space and Measures</b>	<p>Shows an interest in shape and space by playing with shapes or making arrangements with objects</p> <p>Shows awareness of similarities of shapes in the environment</p> <p>Uses positional language</p> <p>Shows interest in shape by sustained construction activity or by talking about shapes or arrangements</p> <p>Shows interest in shapes in the environment</p> <p>Uses shapes appropriately for tasks</p> <p>Is beginning to talk about the shapes of everyday objects, e.g. "round" and "tall"</p>		<p>Is beginning to use mathematical names for "solid" 3D shapes and "flat" 2D shapes, and mathematical terms to describe shapes</p> <p>Selects a particular named shape</p> <p>Can describe his/her relative position such as "behind" or "next to"</p> <p>Orders two or three items by length or height</p> <p>Orders two items by weight or capacity</p> <p>Uses familiar objects and common shapes to create and recreate patterns and build models</p> <p>Uses everyday language related to time</p> <p>Is beginning to use everyday language related to money</p> <p>Orders and sequences familiar events</p> <p>Measures short periods of time in simple ways</p> <p><b>Uses everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems (ELG)</b></p> <p><b>Recognises, creates and describes patterns (ELG)</b></p> <p><b>Explores characteristics of everyday objects and shapes and uses mathematical language to describe them (ELG)</b></p>			<p><b>Estimates, measures, weighs and compares and orders objects (ELG Exc)</b></p> <p><b>Talks about properties, position and time (ELG Exc)</b></p>	
<b>Skills</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>	
<b>Number and Place Value</b>	<p><b>Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</b></p> <p><b>Count and read/write numbers to 100 in numerals</b></p> <p><b>Count in multiples of twos, fives and tens from 0</b></p>	<p><b>Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward</b></p> <p>Recognise the place value of each digit in a two-digit number (tens, ones)</p>	<p><b>Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number</b></p> <p><b>Recognise the place value of each digit in a three-digit number</b></p>	<p><b>Count in multiples of 6, 7, 9, 25 and 1000</b></p> <p>Find 1000 more or less than a given number</p> <p><b>Count backwards through zero to include negative numbers</b></p>	<p><b>Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit. Find the difference between the largest and smallest whole numbers that can be made from using three digits</b></p>	<p>Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit</p> <p><b>Round any whole number to a required degree of accuracy</b></p>	

	<p><b>Identify one more and one less of a given number</b></p> <p>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</p> <p>Read and write numbers from 1 to 20 in numerals and words</p> <p>Count in twos, fives and tens to solve problems</p> <p>Partition and combine numbers using apparatus if required</p>	<p>Identify, represent and estimate numbers using different representations</p> <p><b>Compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs</b></p> <p>Read and write numbers to at least 100 in numerals and words</p> <p><b>Use place value and number facts to solve problems</b></p> <p>Partition two-digit numbers into different combinations of tens and ones</p> <p>Use reasoning about numbers and relationships to solve more complex problems and explain his/her thinking</p> <p>Recall the multiples of 10 below and above any given 2 digit number</p>	<p>Compare and order numbers up to 1000</p> <p>Identify, represent and estimate numbers using different representations</p> <p>Read and write numbers up to 1000 in numerals and words</p> <p><b>Solve number problems and practical problems involving these ideas</b></p>	<p>Recognise the place value of each digit in a four-digit number</p> <p><b>Order and compare numbers beyond 1000</b></p> <p>Identify, represent and estimate numbers using different representations including measures</p> <p><b>Round any number to the nearest 10, 100 or 1000</b></p> <p>Solve number and practical problems that involve all of the above and with increasingly large positive numbers</p> <p>Read Roman numerals to 100 (I to C)</p>	<p>Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000</p> <p><b>Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero</b></p> <p>Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000</p> <p>Solve number problems and practical problems that involve ordering and comparing numbers to 1 000 000, counting forwards or backwards in steps, interpreting negative numbers and rounding</p> <p>Read Roman numerals to 1000 (M) and recognise years written in Roman numerals</p>	<p><b>Use negative numbers in context, and calculate intervals across zero</b></p> <p>Solve number and practical problems that involve ordering and comparing numbers to 10 000 000, rounding to a required degree of accuracy, using negative numbers and calculating intervals across zero</p> <p>Demonstrate an understanding of place value including decimals e.g. <math>28.13 = 28 + ? + 0.03</math></p>
<p><b>Addition and Subtraction</b></p>	<p>Read, interpret and write mathematical statements involving addition (+), subtraction (-) and equals (=) signs</p> <p>Demonstrate an understanding of the commutative law (e.g. <math>3 + 2 = 5</math>, therefore <math>2 + 3 = 5</math>)</p> <p>Demonstrate an understanding of inverse</p>	<p><b>Solve problems with addition and subtraction using concrete objects and pictorial representations</b></p> <p><b>Solve problems with addition and subtraction applying his/her increasing knowledge of written methods and mental methods</b></p> <p>Recall all number bonds to and within 10 and use these</p>	<p><b>Add and subtract numbers mentally, including a three-digit number and ones</b></p> <p>Add numbers with up to three digits using the formal method of columnar addition</p> <p><b>Add and subtract numbers mentally, including a three-digit number and tens</b></p> <p>Subtract numbers with up to three digits using the formal</p>	<p>Add numbers with up to four digits using the formal method of columnar addition</p> <p>Estimate and use inverse operations to check answers to a calculation</p> <p>Subtract numbers with up to four digits using the formal method of columnar subtraction</p>	<p><b>Add and subtract whole numbers with more than 4 digits, including using formal written methods</b></p> <p><b>Add and subtract numbers mentally with increasingly large numbers</b></p> <p>Use rounding to check answers to calculations</p>	<p>Perform mental calculations with mixed operations to carry out calculations involving the four operations</p> <p><b>Solve multi-step problems in contexts</b></p> <p>Solve problems involving addition and subtraction</p> <p><b>Use estimation to check answers to calculations and determine, in the context of a</b></p>

	<p>relationships involving addition and subtraction</p> <p>Recall at least four of the six number bonds for 10</p> <p><b>Represent and use number bonds within 20</b></p> <p><b>Represent and use subtraction facts within 20</b></p> <p>Add and subtract one-digit and two-digit numbers to 20, including zero</p> <p>Solve one-step problems that involve addition, subtraction and missing numbers using concrete objects and pictorial representations</p>	<p>to reason with and calculate bonds to and within 20</p> <p><b>Recall and use addition and subtraction facts to 20</b></p> <p>Add and subtract numbers using concrete objects, pictorial representations, and mentally</p> <p>Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</p> <p>Recognise and use the inverse relationship between addition and subtraction</p> <p>Recall doubles and halves to 20</p> <p>Use estimation to check that his/her answers to a calculation are reasonable</p> <p>Solve missing number problems using addition and subtraction</p>	<p>method of columnar subtraction</p> <p><b>Add and subtract numbers mentally, including a three-digit number and hundreds</b></p> <p>Estimate the answer to a calculation and use inverse operations to check answers</p> <p>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction</p>	<p><b>Solve addition and subtraction two-step problems in contexts</b></p>	<p><b>Solve addition and subtraction multi-step problems in contexts</b></p>	<p><b>problem, an appropriate degree of accuracy</b></p>
<p><b>Multiplication and Division</b></p>	<p>Solve one-step problems involving multiplication and division by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher</p>	<p><b>Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</b></p> <p>Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</p>	<p><b>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</b></p> <p><b>Write and calculate mathematical statements for multiplication and division using the multiplication tables that he/she knows</b></p>	<p><b>Recall multiplication and division facts for multiplication tables up to <math>12 \times 12</math></b></p> <p>Use place value to multiply and divide mentally</p> <p>Recognise and use factor pairs and commutativity in mental calculations</p>	<p><b>Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers</b></p> <p>Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers</p>	<p><b>Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication</b></p> <p><b>Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as</b></p>

		<p><b>Solve problems involving multiplication and division, using concrete materials and mental methods as well as using arrays, repeated addition and multiplication and division facts</b></p> <p>Use multiplication and division facts for 2, 5 and 10 to make deductions outside known multiplication facts</p> <p>Solve word problems involving multiplication and division with more than one step</p> <p>Recognise the relationships between addition and subtraction and rewrite addition statements as simplified multiplication statements</p>	<p>Solve problems, including missing number problems, involving multiplication and division</p>	<p>Multiply two-digit and three-digit numbers by a one-digit number using formal written layout</p> <p>Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit</p>	<p>Establish whether a number up to 100 is prime and recall prime numbers up to 19</p> <p>Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers</p> <p>Multiply and divide numbers mentally drawing upon known facts</p> <p>Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context</p> <p>Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000</p> <p>Recognise and use square and cube numbers</p> <p><b>Solve problems involving multiplication and division</b></p> <p><b>Solve problems involving multiplication and division</b></p>	<p><b>whole number remainders, fractions, or by rounding</b></p> <p>Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context</p> <p>Perform mental calculations, including with mixed operations and large numbers</p> <p>Identify common factors, common multiples and prime numbers</p> <p>Use his/her knowledge of the order of operations to carry out calculations involving the four operations</p> <p>Solve problems involving addition, subtraction, multiplication and division</p> <p><b>Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy</b></p>
<b>Fractions</b>	<p><b>Recognise, find and name a half as one of two equal parts of an object, shape or quantity</b></p> <p>Recognise, find and name a quarter as one of four equal</p>	<p><b>Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity and demonstrate understanding that all parts must be equal parts of the whole</b></p>	<p><b>Count up and down in tenths</b></p> <p><b>Recognise, find and write fractions of a discrete set of objects</b></p> <p>Recognise and use fractions as numbers</p>	<p><b>Recognise and show, using diagrams, families of common equivalent fractions</b></p> <p><b>Count up and down in hundredths; recognise that hundredths arise when dividing an object by one</b></p>	<p><b>Compare and order fractions whose denominators are all multiples of the same number</b></p> <p>Write equivalent fractions of a given fraction, represented</p>	<p>Use common factors to simplify fractions</p> <p>Compare and order fractions</p> <p>Add and subtract fractions with different denominators and mixed numbers</p>

	<p>parts of an object, shape or quantity</p>	<p>Write simple fractions for example, <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math></p>	<p><b>Recognise and show, using diagrams, equivalent fractions with small denominators</b></p> <p>Add and subtract fractions with the same denominator within one whole</p> <p>Compare and order unit fractions, and fractions with the same denominators</p> <p>Solve fraction problems</p> <p>Record <math>\frac{1}{10}</math> as 0.1, <math>\frac{3}{10}</math> as 0.3 etc</p>	<p><b>hundred and dividing tenths by ten</b></p> <p>Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities</p> <p>Add and subtract fractions with the same denominator</p> <p>Recognise and write decimal equivalents of any number of tenths or hundredths and to <math>\frac{1}{4}</math>, <math>\frac{1}{2}</math>, <math>\frac{3}{4}</math></p> <p>Find the effect of dividing a one- or two-digit number by 10 and 100</p> <p><b>Round decimals with one decimal place to the nearest whole number</b></p> <p>Compare numbers with the same number of decimal places up to two decimal places</p> <p><b>Solve simple measure and money problems involving fractions and decimals to two decimal places</b></p>	<p>visually, including tenths and hundredths</p> <p>Recognise mixed numbers and improper fractions and convert from one form to the other</p> <p>Add and subtract fractions with the same denominator and denominators that are multiples of the same number</p> <p>Multiply proper fractions and mixed numbers by whole numbers</p> <p><b>Read and write decimal numbers as fractions</b></p> <p>Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents</p> <p>Round decimals with two decimal places to the nearest whole number and to one decimal place</p> <p><b>Read, write, order and compare numbers with up to three decimal places</b></p> <p>Recognise the per cent symbol (%) and write percentages as a fraction with denominator 100, and as a decimal</p> <p><b>Solve problems which require knowing percentage and</b></p>	<p>Multiply simple pairs of proper fractions</p> <p>Divide proper fractions by whole numbers</p> <p>Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000</p> <p>Multiply one-digit numbers with up to two decimal places by whole numbers</p> <p><b>Use written division methods in cases where the answer has up to two decimal places</b></p> <p><b>Solve problems which require answers to be rounded to specified degrees of accuracy</b></p> <p><b>Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts</b></p>
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					<b>decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of 10 or 25</b>	
<b>Measurement</b>	<p><b>Compare, describe and solve practical problems for lengths, heights, mass and capacity</b></p> <p><b>Compare, describe and solve practical problems for time</b></p> <p>Measure and begin to record mass/weight, capacity, time</p> <p>Recognise and know the value of different denominations of coins and notes</p> <p>Sequence events in chronological order using language e.g. before and after</p> <p>Recognise and use language relating to dates</p> <p><b>Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times</b></p>	<p>Choose and use appropriate standard units to estimate and measure</p> <p>Compare and order lengths, mass, volume/capacity and record the results using &gt;, &lt; and =</p> <p>Recognise and use symbols for pounds (£) and pence (p)</p> <p>Find different combinations of coins that equal the same amounts of money</p> <p><b>Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</b></p> <p>Compare and sequence intervals of time</p> <p>Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times</p> <p>Remember the number of minutes in an hour and the number of hours in a day</p> <p>Read scales in divisions of ones, twos, fives and tens</p>	<p><b>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</b></p> <p>Measure the perimeter of simple 2-D shapes</p> <p><b>Add and subtract amounts of money to give change</b></p> <p><b>Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks</b></p> <p>Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight</p> <p>Know the number of seconds in a minute and the number of days in each month, year and leap year</p> <p>Compare durations of events e.g. to calculate the time taken by particular events or tasks</p>	<p><b>Convert between different units of measure e.g. kilometre to metre; hour to minute</b></p> <p>Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres</p> <p>Find the area of rectilinear shapes by counting squares</p> <p>Estimate, compare and calculate different measures, including money in pounds and pence</p> <p>Read, write and convert time between analogue and digital 12- and 24-hour clocks</p> <p>Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days</p>	<p><b>Convert between different units of metric measure</b></p> <p>Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints</p> <p><b>Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres</b></p> <p><b>Calculate and compare the area of rectangles (including squares), and estimate the area of irregular shapes</b></p> <p>Estimate volume e.g. using 1 cm<sup>3</sup> blocks to build cuboids (including cubes) and capacity</p> <p>Solve problems involving converting between units of time</p> <p>Use all four operations to solve problems involving measure</p>	<p>Solve problems involving the calculation and conversion of units of measure</p> <p><b>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</b></p> <p>Convert between miles and kilometres</p> <p>Recognise that shapes with the same areas can have different perimeters and vice versa</p> <p>Recognise when it is possible to use formulae for area and volume of shapes</p> <p>Calculate the area of parallelograms and triangles</p> <p>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 e.g. mm<sup>3</sup> and km<sup>3</sup></p>

		<p>Read scales where not all numbers on the scale are given and estimate points in between</p> <p>Read the time on a clock to the nearest 15 minutes</p>				
<b>Properties of Shape</b>	<p><b>Recognise and name common 2-D shapes e.g. rectangles (including squares), circles and triangles</b></p> <p><b>Recognise and name common 3-D shapes e.g. cuboids (including cubes), pyramids and spheres</b></p>	<p>Identify and describe the properties of 2-D and 3-D shapes</p> <p>Name some common 2-D and 3-D shapes from a group of shapes or from pictures of the shapes and describe some of their properties</p> <p>Identify 2-D shapes on the surface of 3-D shapes e.g. a circle on a cylinder and a triangle on a pyramid</p> <p><b>Compare and sort common 2-D and 3-D shapes and everyday objects describing similarities and differences</b></p>	<p>Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them</p> <p>Recognise angles as a property of shape or a description of a turn</p> <p><b>Identify right angles and identify whether other angles are greater or less than a right angle</b></p> <p><b>Recognise that two right angles make a half turn, three make three quarters of a turn and four a complete turn</b></p> <p>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines</p>	<p><b>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</b></p> <p>Identify acute and obtuse angles and compare and order angles up to two right angles by size</p> <p><b>Identify lines of symmetry in 2-D shapes presented in different orientations</b></p> <p>Complete a simple symmetric figure with respect to a specific line of symmetry</p> <p>Begin to recognise where angles are greater than two right angles. Know the term straight angle referring to two right angles together</p>	<p>Identify 3-D shapes from 2-D representations</p> <p>Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles</p> <p><b>Draw given angles, and measure them in degrees (°)</b></p> <p>Identify angles at a point and one whole turn (total 360°) and on a straight line and ½ turn (total 180°)</p> <p>Identify other multiples of 90°</p> <p>Use the properties of rectangles to deduce related facts and find missing lengths and angles</p> <p><b>Distinguish between regular and irregular polygons based on reasoning about equal sides and angles</b></p>	<p>Draw 2-D shapes using given dimensions and angles</p> <p>Recognise, describe and build simple 3-D shapes, including making nets</p> <p><b>Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons</b></p> <p>Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius</p> <p>Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles</p>
<b>Position and Direction</b>	<p>Describe position, direction and movement, including whole, half, quarter and three-quarter turns</p>	<p>Order and arrange combinations of mathematical objects in patterns and sequences</p> <p><b>Use mathematical vocabulary to describe position, direction and movement, including</b></p>		<p>Describe positions on a 2-D grid as coordinates in the first quadrant</p> <p>Describe movements between positions as translations of a given unit to the left/right and up/down</p>	<p>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</p>	<p>Describe positions on the full coordinate grid (all four quadrants)</p> <p><b>Draw and translate simple shapes on the coordinate plane, and reflect them in the axis</b></p>

		<p>movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)</p>		<p>Plot specified points and draw sides to complete a given polygon</p>		
<b>Statistics</b>		<p>Interpret and construct simple pictograms, tally charts, block diagrams and simple tables</p> <p>Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</p> <p><b>Ask and answer questions about totalling and comparing categorical data</b></p>	<p><b>Interpret and present data using bar charts, pictograms and tables</b></p> <p>Solve one-step and two-step questions, using information presented in scaled bar charts and pictograms and tables</p>	<p>Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs</p> <p><b>Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs</b></p>	<p>Solve comparison, sum and difference problems using information presented in a line graph</p> <p><b>Complete, read and interpret information in tables, including timetables</b></p>	<p><b>Interpret and construct pie charts and line graphs and use these to solve problems</b></p> <p><b>Calculate and interpret the mean as an average</b></p>
<b>Ratio and Proportion</b>						<p>Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts e.g. find <math>\frac{7}{9}</math> of 108</p> <p><b>Solve problems involving the calculation of percentages e.g. of measures, and such as 15% of 360 and the use of percentages for comparison</b></p> <p>Solve problems involving similar shapes where the scale factor is known or can be found</p> <p><b>Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples</b></p>

**Algebra**

**Use simple formulae e.g. perimeter of a rectangle or area of a triangle**

Generate and describe linear number sequences

Express missing number problems algebraically

Find pairs of numbers that satisfy an equation with two unknowns

Enumerate possibilities of combinations of two variables