## **Primary Mathematics Progression**

**Number & Place Value** 

Counting
Place Value

**Representing Number** 

**Addition & Subtraction** 

**Number Facts** 

Mental addition & subtraction

Written addition & subtraction

Addition & subtraction problems

**Multiplication & Division** 

**Number Facts** 

Mental multiplication & division

Written multiplication & division

Multiplication & division problems

**Fractions** 

**Recognising fractions** 

**Comparing fractions** 

Finding fractions of quantities

**Calculations with fractions** 

**Decimals as fractional amounts** 

Ordering decimals

Calculating with decimals

Percentages

**Fraction problems** 

**Other Number & Algebra** 

Ratio & proportion

Algebra

Shape, Space & Measures

Measures

Mensuration

Money

<u>Time</u>

**Shape Vocabulary** 

Properties of 2-d shape

Properties of 3-d shape

**Angles** 

**Position & Direction** 

**Statistics** 

**Interpreting data** 

Extracting information from data

## Copy of maths-progression1 for pdf

Menu	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Counting	<ul> <li>count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens</li> </ul>	-count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward	<ul> <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> </ul>	count in multiples of 6, 7, 9, 25 and 1000     find 1000 more or less than a given number count backwards through zero to include negative numbers	<ul> <li>count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000</li> <li>interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero</li> </ul>	•use negative numbers in context, and calculate intervals across zero
Place Value		*recognise the place value of each digit in a two-digit number *compare and order numbers from 0 up to 100; use <, > and = signs	<ul> <li>recognise the place value of each digit in a three-digit number</li> <li>compare and order numbers up to 1000</li> </ul>		<ul> <li>read, write, order and compare numbers up to 1 000 000 and determine the value of each digit</li> <li>round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000</li> </ul>	*read, write, order and compare numbers up to 10 000 000 and determine the value of each digit  *round any whole number to a required degree of accuracy
Representing number	<ul> <li>-identify and represent numbers using objects and pictorial representations including the number line, &amp; use language of: equal to, more than, less than (fewer), most, least</li> <li>-read and write numbers from 1 to 20 in numerals and words</li> <li>-read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</li> </ul>	<ul> <li>-identify, represent and estimate numbers using different representations, including the number line</li> <li>-read and write numbers to at least 100 in numerals and in words</li> </ul>	*identify, represent and estimate numbers using different representations     *read and write numbers up to 1000 in numerals and in words	-identify, represent and estimate numbers using different representations -read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value	*-read Roman numerals to 1000 (M) and recognise years written in Roman numerals     *-recognise and use square numbers and cube numbers, and the notation for squared (*) and cubed (*)	
Number facts (+/-)	egiven a number, identify one more and one less     represent and use number bonds and related subtraction facts within 20	*use place value and number facts to solve problems recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100				
Mental +/-	<ul> <li>-add and subtract one-digit and two-digit numbers to 20, including zero</li> </ul>	<ul> <li>-add and subtract numbers using concrete objects, pictorial representations, and mentally, including: TU+U, TU+T, TU+TU and U+U+U</li> <li>-show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li> </ul>	<ul> <li>add and subtract numbers mentally, including: HTU+U, HTU+T and HTU+H</li> </ul>		<ul> <li>add and subtract numbers mentally with increasingly large numbers</li> </ul>	<ul> <li>perform mental calculations, including with mixed operations and large numbers</li> </ul>
Written +/-			<ul> <li>add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction</li> </ul>		<ul> <li>add and subtract whole numbers with more than 4 digits, including using formal written methods</li> </ul>	
Problems +/-	*solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$ .	pictorial and abstract representations •recognise and use the inverse relationship between addition and	<ul> <li>estimate the answer to a calculation and use inverse operations to check answers</li> <li>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction</li> </ul>	*estimate and use inverse operations to check answers to a calculation *solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	<ul> <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>	
Number facts (x/÷)		<ul> <li>recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li> </ul>	<ul> <li>recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</li> </ul>	up to 12 × 12	a number, and common factors of two numbers  *know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers  *establish whether a number up to 100 is prime and recall prime numbers up to 19	<ul> <li>identify common factors, common multiples and prime numbers</li> </ul>
Mental (x/÷)		-calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (†) and equals (a) signs *show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot	<ul> <li>write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental methods</li> </ul>	<ul> <li>-use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers</li> <li>-recognise and use factor pairs and commutativity in mental calculations</li> </ul>	<ul> <li>multiply and divide numbers mentally drawing upon known facts</li> <li>multiply and divide whole numbers and those involving decimals by 10, 100 and 1000</li> </ul>	
Written (x/÷)			Progress to formal written methods calculations as above		-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 sup to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context	*multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication *divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders saw hole number remainders, fractions, or by rounding, as appropriate for the context *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 context
Problems (x/÷)	*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.	materials, arrays, repeated addition, mental methods, and	solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.	-solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects	-solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes +solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign +solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates	•solve addition and subtraction multi-step problems in contexts,

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Recognising fractions  Comparing to the control of	Menu	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Recognising structures and structure		•recognise, find and name a half as one of two equal parts of an	•recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4	•count up and down in tenths;		•recognise mixed numbers and improper fractions and convert	
Fractions of white terms against the companies of the com	Recognising		of a length, shape, set of objects or quantity				
Comparing Compar				, , , , , , , , , , , , , , , , , , , ,	,		
Sometime of the control of the contr	ii detions						
Comparing frictions of fractions of fraction							
Finding claims and service of the se	Comparing				equivalent fractions		
Finding fractions of good and the second of				small denominators		represented visually, including tenths and hundredths	•compare and order fractions, including fractions > 1
Finding fractions of cauchester of the composition	ITACLIOTIS						
fraction of quantities   Second Secon				recognise, find and write fractions of a discrete set of objects:			
Fraction of quantities   Member   Membe	•						
Fraction calculations  Personal Programme of the Company of the Co	fractions of				inon-unit fractions where the answer is a whole number		
Fraction calculations  Personal Programme of the Company of the Co	quantities						
Fraction gradual and service a	••••		•write simple fractions for example, 1/2 of 6 = 3 and recognise	add and subtract fractions with the same denominator within	add and subtract fractions with the same denominator	add and subtract fractions with the same denominator and	add and subtract fractions with different denominators and
Agebra  Massures  Massures	Eraction						
Decimals as fractional monunts.  Ordering decimals as fractional monunts							
Decimals as a fractional amounts  Ordering decimals  Calculating with decimals w	calculations					, , , , , , , , , , , , , , , , , , , ,	
Decimals as a fractional amounts  Ordering decimals  Calculating with decimals w					erecognise and write decimal equivalents of any number of	eread and write decimal numbers as fractions	eassociate a fraction with division and calculate desimal fraction
Infractional amounts of the second process o	Decimals as				tenths or hundredths	read and write decimal numbers as flactions	equivalents [for example, 0.375] for a simple fraction
ABBILION SERVICION SERVICIO SERVIC	fractional						
Ordering decimals  Calculating with decimals with decimals with decimal with an electronal place with a wind wind with a wind wind wind wind with a wind with a wind wind wind wind wind wind wind wind					100, identifying the value of the digits in the answer as ones,		uecinai piaces
Ordering decimals  Properties  Ratio & Proportion  Ratio & Proport	amounts						
decimals					round decimals with one decimal place to the nearest whole     number		
decimals (and the composition of	Ordering					•round decimals with two decimal places to the nearest whole	
Calculating with decimals	decimals				to two decimal places		
Calculating with decimals  Percentages  Fraction  Fracti							
Calculating with decimals can be calculated by the calculation of processing time by the decimal pales by with the decimals can be calculated by the calculation of processing time by the decimal pales by with the decimal pales. The decimal pales are the sense of the processing time by the decimal pales by with the decimal pales. The decimal pales are the sense of the processing time by the decimal pales are the sense of the processing time by the decimal pales. The decimal pales are the sense of the processing time by the decimal pales are the sense of the processing time by the decimal pales. The decimal pales are the sense of the processing time by the decimal pales are the sense of the processing time by the decimal pales are the sense of the processing time by the decimal pales are the sense of the processing time by the decimal pales are the sense of the processing time by the decimal pales are the sense of the processing time by the decimal pales are the sense of the processing time by the decimal pales are the pales are the sense of the processing time by the decimal pales are the processing time by the decimal pales are the processing time by the decimal pales are the pales are t							•multiply and divide numbers by 10, 100 and 1000 giving answers
with decimals   Section 1	Calculating						
Percentages  Fraction problems  Algebra  Algebra	with decimals						
Percentages	With accimals						
Percentages							
Fraction problems  Ratio & Proportion  Algebra  **One procedure and one procedure and one procedure and money problems involving fractions and decrease to two decreased places which require answers to be rounded to support the reduction with an appropriate and such to two decreased places which require answers to be rounded to support the reduction with an appropriate and such procedure and places and decreased to two decreased places and decreased places	_						
Fraction problems  Ratio & Proportion  Ratio &	Percentages						F
Fraction problems  Ratio & Proportion  Ratio &							
Problems  Ratio & Proportion  Ratio & Proportion Interview Ratio				solve problems using all fraction knowledge	solve simple measure and money problems involving fractions	•solve problems involving number up to three decimal places	•solve problems which require answers to be rounded to
Problems  Ratio & Proportion  Ratio & Proporti	Fraction				and decimals to two decimal places		
Ratio & Proportion  Algebra  Algebra  Algebra  Algebra  Algebra  Algebra  Algebra  According describe and solve practical problems for immorphish and solv							
Ratio & Proportion  Ratio	problems						
Ratio & Proportion  Ratio							•solve problems involving the relative sizes of two quantities
Ratio & Proportion Pro							where missing values can be found by using integer multiplication
Proportion with the properties and the properties and solve practical problems for: Leading Heading Height, weight/mass, capacity/volume & time  **Compare, describe and solve practical problems for: Leading Heading Height, weight/mass, capacity/volume & time  **Compare, describe and solve practical problems for: Leading Height, weight/mass, capacity/volume & time  **Compare, describe and solve practical problems for: Leading Height, weight/mass, capacity/volume & time  **Compare, describe and solve practical problems for: Leading Height, weight/mass, capacity/volume & time  **Convert between different units of measure  **Solve problems report and convert between different units of measure  **Solve problems report and convert between different units of measure  **Solve problems report and convert between different units of measure  **Solve problems report and convert between different units of measure  **Solve problems report and	Ratio &						and division facts     solve problems involving similar shapes where the scale factor is
Algebra  **compare, describe and solve practical problems for: **enumerate possibilities of combinations of two variables.  **eners 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.  **enumerate possibilities of combinations of two varia							known or can be found
Algebra	Fioportion						solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.
Algebra  *compare, describe and solve practical problems for:  *compare, describe and solve practical problems for:  *compare, describe and solve practical problems for:  *measure and begin to record lengtly/height, weight/mass, capacity/volume & time  *measure and begin to record lengtly/height, weight/mass, capacity/volume & time  *measure and begin to record lengtly/height, weight/mass, capacity/volume & time  *measure and begin to record lengtly/height, weight/mass, capacity/volume & time  *measure and begin to record lengtly/height, weight/mass, capacity/wolume & time  *measure and begin to record lengtly/height, weight/mass, capacity/wolume & time  *solve problems for:  *compare, describe and solve practical problems for:  *compare and order between different units of measure  *solve problems derivations of two variables.  *convert between different units of measure  *stimate, compare and and sus approximate equivalences between metric  units and common imperial units such as inches, pounds and pints  *estimate, compare and and sus approximate equivalences between metric  units and common imperial units such as inches, pounds and pints  *estimate, compare and orde lengtly mass, volume and time for measure  *sus generate and describe interactions of two variables.  *solve problems for:							
Algebra  **express missing number problems algebraically sind pairs of numbers that satisfy an equation with voundnowns  **enumer problems algebraically sind pairs of numbers that satisfy an equation with voundnowns  **enumer problems algebraically sind pairs of numbers that satisfy an equation with voundnowns  **enumer problems algebraically sind pairs of numbers that satisfy an equation with voundnowns  **enumer problems algebraically sind pairs of numbers that satisfy an equation with voundnowns  **enumer problems algebraically sind pairs of numbers that satisfy an equation with voundnowns  **enumer problems algebraically sind pairs of numbers that satisfy an equation with voundnowns  **enumer problems algebraically sind pairs of numbers that satisfy an equation with voundnowns  **enumer problems algebraically sind pairs of numbers that satisfy an equation with voundnowns  **enumer problems algebraically  **							
*Compare, describe and solve practical problems for: length/height, weight/mass, capacity/volume & time * capacity/volume & time * compare and order lengths, mass, volume/capacity and record the results using >, < and = * compare and order lengths, mass, volume/capacity and record the results using >, < and = * compare and calculate different units of measure equivalences between different measures, including money in pounds and pence units and common imperial units such as inches, pounds and pints where appropriate * units and common imperial units such as inches, pounds and pints where appropriate * volume and capacity * volume/capacity and record the results using >, < and = * volume and or volume and time from a smaller unit of measure equivalences between metric units and common imperial units such as inches, pounds and pints * where appropriate * volume and capacity * where appropriate * volume and capacity * where appropriate * volume and capacity * volume/capacity (lift)* v	Algobro						• express missing number problems algebraically
*compare, describe and solve practical problems for: length/height, weight/mass, capacity/volume & time *measure and begin to record length/height, weight/mass, capacity/solume & time *measure and begin to record length/height, weight/mass, capacity/volume & time *measure and begin to record length/height, weight/mass, capacity/volume & time *measure and begin to record length/height, weight/mass, capacity/volume & time *measure and begin to record length/height, weight/mass, capacity/volume & time *measure and begin to record length/height, weight/mass, volume/capacity and record the results using >, < and =  *measure. *measure and begin to record length/height, weight/mass, volume/capacity and record the results using >, < and =  *convert between different units of measure *solve problems for: (ag/g); volume/capacity ([/m]) *solve probl	Aigebra						
length/height, weight/mass, capacity/volume & time *measure and begin to record length/height (m/cm); mass (kg/g); temperature (°C); capacity/liters/ml) to the nearest appropriate unit, using rulers, capacity/liters/ml) to the nearest appropriate unit, using rulers, capacity/liters/ml) to the nearest appropriate unit, using rulers, capacity/liters/ml) to the nearest appropriate units and common imperial units such as inches, pounds and pence units and common imperial units and common imperial units and common imperial units units and common imperial units and common							
*measure and begin to record length/height, weight/mass, capacitly/fures/stime  *measure and begin to record length/height, weight/mass, capacitly/fures/stime  *measure and begin to record length/height, weight/mass, capacitly/fures/stime  *capacitly/fures/stime  *capacitly/fures/stime  *capacitly/fures/stime  *capacitly/fures/stime  *capacitly/fures/stime  *compare and order lengths, mass, volume/capacity and record the results using >, < and =  *unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of measurements of length, mass, volume and time from a smaller unit of							•solve problems involving the calculation and conversion of units
capacity/volume & time scales, thermometers and measuring vessels  Measures  capacity/volume & time scales, thermometers and measuring vessels  *compare and order lengths, mass, volume/capacity and record the results using >, < and =  capacity/volume & time  *compare and order lengths, mass, volume/capacity and record the results using >, < and =  capacity/volume & time  *compare and order lengths, mass, volume/capacity and record unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places			measure length/height (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers	(kg/g); volume/capacity (l/ml)			
the results using >, < and = unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places			scales, thermometers and measuring vessels		, , , , , , , , , , , , , , , , , , , ,		•use, read, write and convert between standard units, converting
notation to up to three decimal places	Measures						
convert between miles and kilometres							notation to up to three decimal places
							convert between miles and kilometres

## Copy of maths-progression1 for pdf

<u>Menu</u>	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Mensuration			•measure the perimeter of simple 2-D shapes		<ul> <li>-measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres</li> <li>-calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes</li> </ul>	recognise that shapes with the same areas can have different perimeters and vice versa  recognise when it is possible to use formulae for area and volume of shapes  reacludate the area of parallelograms and triangles  reacludate, estimate and compare volume of cubes and cuboids  using standard units, including cubic centimetres (cm3) and cubic  metres (m3), and extending to other units.
Money	recognise and know the value of different denominations of coins and notes	*recognise and use symbols for pounds (E) and pence (p); combine amounts to make a particular value infind different combinations of coins that equal the same amounts of money solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change	<ul> <li>add and subtract amounts of money to give change, using both £ and p in practical contexts</li> </ul>		<ul> <li>use all four operations to solve problems involving measure (for example, length, mass, volume, money) using decimal notation, including scaling</li> </ul>	
Time	-sequence events in chronological order using language recognise and use language relating to dates, including days of the week, weeks, months and years -tell the time to the hour and half past the hour and draw the hands on a clock face to show these times			Convert between different units of measure (e.g. Hours to minutes) read, write and convert time between analogue and digital 12-and 24-hour clocks solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days	*solve problems involving converting between units of time	
Shape vocabulary	recognise and name common 2-D shapes (e.g. Square, circle, triangle)     recognise and name common 3-D shapes (e.g. Cubes, cuboids, pyramids & spheres)	(vertices, edges, faces, symmetry)	identify horizontal and vertical lines and pairs of perpendicular and parallel lines			•illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius
Properties of 2-d shape		<ul> <li>identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.</li> <li>-compare and sort common 2-D and 3-D shapes and everyday objects.</li> </ul>	•draw 2-0 shapes	compare and classify geometric shapes, including quadrilaterals and triangles, based on properties and sizes identify lines of symmetry in 2-D shapes presented in different orientations complete a simple symmetric figure with respect to a specific line of symmetry.	<ul> <li>use the properties of rectangles to deduce related facts and find missing lengths and angles distinguish between regular and irregular polygons based on reasoning about equal sides and angles.</li> </ul>	<ul> <li>draw 2-D shapes using given dimensions and angles compare and classify geometric shapes based on their properties and sizes</li> </ul>
Properties of 3-d shape		<ul> <li>-identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces -identify 2-D shapes on the surface of 3-D shapes.</li> <li>compare and sort common 2-D and 3-D shapes and everyday objects.</li> </ul>	<ul> <li>-make 3-D shapes using modelling materials recognise 3-D shapes in different orientations and describe them</li> </ul>		<ul> <li>identify 3-D shapes, including cubes and other cuboids, from 2-D representations</li> </ul>	<ul> <li>recognise, describe and build simple 3-D shapes, including making nets</li> <li>find unknown angles in any triangles, quadrilaterals, and regular polygons</li> </ul>
Angles			•recognise angles as a property of shape or a description of a turn •identify right angles, recognise that two right angles make a half- turn, three make three quarters of a turn and four a complete turn •identify whether angles are greater or less than right angle	up to two right angles by size	*know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles draw given angles, and measure them in degrees (") *identify angles at a point and one whole turn (total 360"); at a point on a straight line and % a turn (total 180") *identify other multiples of 90".	*recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles
Position & Direction	<ul> <li>describe position, direction and movement, including whole, half, quarter and three-quarter turns.</li> </ul>	<ul> <li>order and arrange combinations of mathematical objects in patterns and sequences.</li> <li>use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and X turns</li> </ul>		<ul> <li>-describe positions on a 2-D grid as coordinates in the first quadrant -describe movements between positions as translations of a given unit to the left/right and up/down</li> <li>-plot specified points and draw sides to complete a given polygon</li> </ul>		<ul> <li>describe positions on the full coordinate grid (all four quadrants)</li> <li>draw and translate simple shapes on the coordinate plane, and reflect them in the axes.</li> </ul>
Interpreting data		<ul> <li>interpret and construct simple pictograms, tally charts, block diagrams and simple tables</li> </ul>	<ul> <li>Interpret and present data using bar charts, pictograms and tables</li> </ul>	<ul> <li>Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs</li> </ul>	<ul> <li>complete, read and interpret information in tables, including timetables</li> </ul>	<ul> <li>interpret and construct pie charts and line graphs calculate and interpret the mean as an average</li> </ul>
Extract info from data		<ul> <li>*ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</li> <li>*ask and answer questions about totalling and comparing categorical data</li> </ul>	*solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables	<ul> <li>solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs</li> </ul>	*solve comparison, sum and difference problems using information presented in a line graph	•use pie charts and line graphs to solve problems