The maths curriculum at Wardley CE Primary is based upon the National Curriculum and the way that this is delivered through the Maths No Problem scheme. The half-termly cycle is a rough guide as the amount of time given to a lesson will be based upon the time needed to ensure the children have mastered the content before moving on. The two fixed points are to have covered the concepts by the mid-year and the end of year.

	MILESTONE ONE					
	AUTUMN	AUTUMN	SPRING	SPRING	SUMMER	SUMMER
	TERM 1	TERM 2	TERM 1	TERM 2	TERM 1	TERM 2
	Number &	Geometry -	Geometry -	Number &	Fractions:	Measurement
	Place Value:	Position &	Position &	Place Value:	Fractions	Volume &
	Number to 10	Directions:	Directions:	Numbers to		Capacity
		Positions	Shapes &	40	Number &	
	Calculations:		Patterns		Place Value:	Measurement
	Addition &	Number &		Calculations:	Numbers to	Mass
Y	Subtraction	Place Value:	Measurement	Add &	100	
1	Within 10	Numbers to	Length &	Subtraction		Geometry -
		20	Height		Measurement	Position &
				Calculations:	Time	Direction:
		Calculations:	Mid Year	Multiplication		Space
		Addition &	Revision		Measurement	
		Subtraction			Money	End of Year
		Within 20				Revision
	Number &	Calculations:	Measurement	Calculations:	Geometry -	Measurement
	Place Value:	Multiplication	Temperature	Word	Position &	Time
	Numbers to	& Division of 2,		Problems	Direction:	
	100	5 & 10	Statistics:		3D Shape	Measurement
			Pictograms	Measurement		Volume
Y	Calculations:	Measurement		Money	Fractions:	
2	Addition &	Length	Mid Year		Fractions	End of Year
-	Subtraction	NA	Revision	Geometry -		Revision
		Measurement		Properties of		
	Calculations:	Mass		Shape:		
	Multiplication			2D Shape		
	of 2, 5 & 10					

	MILESTONE TWO					
	AUTUMN	AUTUMN	SPRING	SPRING	SUMMER	SUMMER
	TERM 1	TERM 2	TERM 1	TERM 2	TERM 1	TERM 2
	Number &	Calculations:	Measurement	Measurement	Fractions:	Geometry -
	Place Value:	Multiplication	Length	Money	Fractions	Properties of
	Numbers to	& Division				Shape:
	1000		Measurement	Measurement	Geometry -	Line & shapes
Y		Calculations:	Mass	Time	Properties of	
3	Calculations:	Further			Shape:	Measurement
	Addition &	Multiplication	Measurement		Angles	Perimeter
	Subtraction	& Division	Volume			
						End of Year
						Revision

			Mid Year Revision			
Y 4	Number & Place Value: Numbers to 10000 Calculations: Addition & Subtraction Within 10000	Calculations: Multiplication & Division Calculations: Further Multiplication & Division	Measurement Graphs Fractions, Decimals & Percentages: Fractions Measurement Time Mid Year Revision	Fractions, Decimals & Percentages: Decimals Measurement Money Measurement Mass, Volume & Length	Measurement Area of Figures Geometry - Properties of Shape: Geometry	Geometry - Position & Direction: Position and Movement Roman Numerals End of Year Revision

	MILESTONE THREE					
	AUTUMN	AUTUMN	SPRING	SPRING	SUMMER	SUMMER
	TERM 1	TERM 2	TERM 1	TERM 2	TERM 1	TERM 2
	Number &	Calculations:	Statistics:	Fractions,	Geometry -	Measurement
	Place Value:	Multiplication	Graphs	Decimals &	Position &	Volume
	Numbers to	& Division		Percentages:	Direction:	
	1,000,000		Fractions,	Decimals	Position &	Number &
		Calculations:	Decimals &		Movement	Place Value:
	Calculations:	Word	Percentages:	Fractions,		Roman
Y	Addition &	Problems	Fractions	Decimals &	Measurement	Numerals
5	Subtraction			Percentages:	Measurement	
			Mid Year	Percentages		End of Year
			Revision		Measurement	Revision
				Geometry -	Area &	
				Properties of	Perimeter	
				Shape:		
				Geometry		
	Number &	Fractions,	Measurement	Fractions,	Measurement	Geometry -
	Place Value:	Decimals &	Measurement	Decimals &	Area &	Position &
	Numbers to	Percentages:		Percentages:	Perimeter	Direction:
	10,000,000	Fractions	Calculations:	Percentage		Position &
			Word		Geometry -	Movement
	Calculations:	Fractions,	Problems	Ratio &	Properties of	
	Four	Decimals &		Proportions:	Shape:	Statistics:
Y	Operations on	Percentages:	Mid Year	Ratio	Geometry	Graphs &
6	Whole	Decimals	Revision			Averages
	Numbers			Algebra:		
				Algebra		Number &
						Place Value:
						Negative
						Numbers
						Measurement
						Volume

MATHEMATICAL CURRICULUM PROGRESSION ACROSS KS1 & 2					
Know and use numbers This threshold concept involves understanding the number system and how they are used in a wide variety of mathematical ways					
Counting					
Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6			
 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. Given a number, identify one more and one less. Count in steps of 2, 3, 5 and 10 from 0 or 1 and in tens from any number, forward and backward. 	 Count in multiples of 2 to 9, 25, 50, 100 and 1000. Find 1000 more or less than a given number. Count backwards through zero to include negative numbers. 	 Read numbers up to 10 000 000. Use negative numbers in context and calculate intervals 			
Representing					
Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6			
 Identify, represent and estimate numbers using different representations, including the number line. Read and write numbers initially from 1 to 20 and then to at least 100 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. 	 Write numbers up to 10 000 000 Read Roman numerals to 1000 (M) and recognise years written in Roman numerals 			
Comparing					
Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6			
 Use the language of: equal to, more than, less than (fewer), most and least. Compare and order numbers from 0 up to 100; use <, > and = signs. 	• Order and compare numbers beyond 1000.	• Order and compare numbers up to 10,000,000			
Place value	Place value				

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Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6
• Recognise the place value of each digit in a two-digit number (tens, ones).	 Recognise the place value of each digit in a four-digit number. (thousands, hundreds, tens, and ones) Round any number to the nearest 10, 100 or 1000. 	 Round any whole number to a required degree of accuracy. Determine the value of each digit in any number.
Solving problems	-	
Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6
• Use place value and number facts to solve problems.	• Solve number and practical problems with increasingly large positive numbers.	• Solve number and practical problems.
This threshold concept involve	Add and subtract es understanding both the conce and subtraction.	pts and processes of addition
Complexity		
Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6
 Solve one-step problems with addition and subtraction: Using concrete objects and pictorial representations including those involving numbers, quantities and measures. Using the addition (+), subtraction (-) and equals (=) signs. Applying their increasing knowledge of mental and written methods. 	• Solve two-step addition and subtraction problems in contexts, deciding which operations and methods to use and why.	• Solve multi-step addition and subtraction problems in contexts, deciding which operations and methods to use and why.
Methods		
Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6
 Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: One-digit and two-digit numbers to 20, including zero. A two-digit number and ones. A two-digit number and tens. Two two-digit numbers. Adding three one-digit numbers. 	 Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate. Add and subtract numbers mentally, including: A three-digit number and ones. A three-digit number and tens. A three-digit number and hundreds. 	 Add and subtract whole numbers with more than 4 digits, including using formal written methods. (columnar addition and subtraction) Add and subtract numbers mentally with increasingly large numbers.

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• Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.		
Checking		
Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6
• Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	• Estimate and use inverse operations to check answers to a calculation.	• Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.
Using number facts		
Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6
 Represent and use number bonds and related subtraction facts within 20. Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100. 	• Solve problems, including missing number problems, using number facts, place value and more complex addition and subtraction.	• Add and subtract negative integers.
This threshold concept in Complexity	Multiply and divide volves understanding both the c multiplication and division.	oncepts and processes of
	Milostopo 2: Voor 2 8. 4	Milostopo 2: Voar 5 & 6
Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6
• Solve one-step (two-step at greater depth) problems involving multiplication and division.	• Solve problems involving multiplying and dividing, 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 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. Use knowledge of the order of operations to carry out calculations involving the four operations.

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Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6			
 Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs. Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. Solve problems involving multiplication and division using mental methods. 	 Multiply two-digit and three-digit numbers by a one-digit number using formal written layout. 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. Recognise and use factor pairs and commutativity in mental calculations. 	 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 as whole 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 the context. Perform mental calculations, including with mixed operations and large numbers. 			
Checking					
Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6			
• Use known multiplication facts to check the accuracy of calculations.	• Recognise and use the inverse relationship between multiplication and division and use this to check calculations and solve missing number problems.	• Estimate and use inverse operations and rounding to check answers to a calculation.			
Using multiplication and division facts					
Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6			
 Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables. Recognise odd and even numbers. Use multiplication and 	• Recall multiplication and division facts for multiplication tables up to 12 × 12.	 Identify common factors, common multiples and prime numbers. Establish whether a number up to 100 is prime and recall prime numbers up to 10 			

prime numbers up to 19.

(2) and cubed (3).

Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.
Recognise and use square numbers and cube numbers, and the notation for squared

• Use multiplication and

division facts to solve problems.

	: Maths Curriculum Progress	
		 Solve problems involving multiplication and division including using knowledge of factors and multiples, squares and cubes.
	Fractions	
This threshold concept involv	ves understanding the concept or calculating using it.	f part and whole and ways of
Recognising fractions		
Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6
 Recognise, find and name a half as one of two equal parts of an object, shape or quantity. Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity. Recognise, find, name and write fractions 1/2, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity. 	 Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. Round decimals with one decimal place to the nearest whole number. Compare numbers with the same number of decimal places up to two decimal places. Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10. Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. Compare and order unit fractions and fractions with the same denominators. 	 Compare and order fractions whose denominators are all multiples of the same number. Compare and order fractions, including fractions > 1. Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number. Round decimals with two decimal places to the nearest whole number and to one decimal place. Read, write, order and compare numbers with up to three decimal places. Identify the value of each digit in numbers given to three decimal places. Solve problems involving number up to three decimal places. Recognise the percent symbol (%) and understand that percent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal.
Equivalence		
Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6
• Recognise the equivalence of 2/4 and 1/2.	 Recognise and show, using diagrams, families of common equivalent fractions. 	 Identify, name and write equivalent fractions of a given fraction, represented visually,

t	 Recognise and write decimal equivalents of any number of tenths or hundredths. Recognise and write decimal equivalents to 1/4, 1/2, 3/4. 	 including tenths and hundredths. Read and write decimal numbers as fractions. Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. Use common factors to simplify fractions; use common multiples to express fractions in the same denomination. Associate a fraction with division and calculate decimal fraction equivalents. Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.
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Solving problems		
Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6
• Write simple fractions for example, 1/2 of 6 = 3.	 Add and subtract fractions with the same denominator within one whole. Solve problems involving increasingly harder fractions. Calculate quantities and fractions to divide quantities (including non-unit fractions where the answer is a whole number). Add and subtract fractions with the same denominator. Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths. Solve simple measure and money problems involving fractions and decimals to two decimal places. 	 Add and subtract fractions with the same denominator and denominators that are multiples of the same number. Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions. Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. Multiply simple pairs of proper fractions, writing the answer in its simplest form. Solve problems which require knowing percentage and 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. Divide proper fractions by whole numbers. Multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places.

	 Ratio and proportion Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts. Solve problems involving the calculation of percentages and the use of percentages for comparison. Solve problems involving similar shapes where the scale factor is known or can be found. Solve problems involving unequal sharing and grouping using knowledge of fractions
	unequal sharing and grouping using knowledge of fractions and multiples.

Understand the properties of shapes

This threshold concept involves recognising the names and properties of geometric shapes and angles.

Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6	
 Recognise and name common 2D and 3D shapes. Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. 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. Compare and sort common 2-D and 3-D shapes and everyday objects. 	 Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them. Recognise angles as a property of shape or a description of a turn. Identify right angles, recognise that two 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 than or less than a right angle. Identify horizontal and vertical lines and pairs of perpendicular and parallel lines. Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. Identify acute and obtuse angles and compare and order angles up to two right angles by size. 	 Identify 3-D shapes, including cubes and other cuboids, from 2-D representations. 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°). Angles at a point on a straight line and a turn (total 180°). Other multiples of 90°. 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. Draw 2-D shapes using given dimensions and angles. 	

	 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. 	 Recognise, describe and build simple 3-D shapes, including making nets. Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons. Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius. Recognise angles where they meet at a point, are on a straight line, or are vertically opposite and find missing angles.
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Describe position, direction and movement

This threshold concept involves recognising various types of mathematical movements.

Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6		
 Describe position, direction and movement, including whole, half, quarter and three-quarter turns. Order and arrange combinations of mathematical objects in patterns and sequences. 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 three-quarter turns (clockwise and anti-clockwise). 	 Recognise angles as a property of shape and as an amount of rotation. Identify right angles, recognise that 2 right angles make a half turn and 4 make a whole turn. Identify angles that are greater than a right angle. 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. Plot specified points and draw sides to complete a given polygon. 	 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. Describe positions on the full coordinate grid. (all four quadrants) Draw and translate simple shapes on the coordinate plane, and reflect them in the axes. 		
Use measures This threshold concept involves becoming familiar with a range of measures, devices used for measuring and calculations.				
Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6		
• Compare, describe and solve	• Measure, compare, add and	Convert between different		

 mass/weight 	(l/ml).	approximate equivalences
 lengths and heights 	mass (kg/g); volume/capacity	 Understand and use
practical problems for:	subtract: lengths (m/cm/mm);	units of metric measure.
• Compare, describe and solve	• Measure, compare, auu anu	

 •capacity and volume •time, •Measure and begin to •Ada and subtract amounts of money to give change. (£ and p) •Foll and write the time from an analogue clock, including using strong between metric units and common imperial units such as increasing accuracy to the nearest imulue; record and compare time in terms of seconds, initues and neuros; use appropriate vocabulary. •For the time to the hour and frake weeks, weeks, months and leap year. •Compare to metry; houring converting framework these times. •Compare durations of evaluation unit, using rulers, scales, thermometers and measuring vessels. •Compare and calculate the perimeter of a molecy. •Compare durations of events. •Solve problems involving converting framework in a minute. •Compare durations of events. •Find the area of rectilinear shapes by counting squares. •Find the area of rectilinear shapes by counting squares. •Find the area of rectilinear shapes by counting squares. •Solve problems involving converting framework including money in pounds and calculate different measure, solve problems involving decimal notation up to three edicimal places. •Solve problems involving team analogue and digital 12- and 24-hour clocks. •Solve problems involving team analogue and digital 12- and 24-hour clocks. •Compare and sequence intervals of time. •Eta and write the time to five minutes, including gurare past/to the hour and draw the 	Wardley CE Primary School: Maths Curriculum Progression			
	 capacity and volume time. Measure and begin to record: lengths and heights mass/weight capacity and volume time (hours, minutes, seconds). Recognise and know the value of different denominations of coins and notes. 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. Use standard units to estimate and measure length/height (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels. Compare and order lengths, mass, volume/capacity and record the results using >, < and measuring vessels. Compare and order lengths, mass, volume/capacity and record the results using >, < and particular value. Find different combinations of coins that equal the same aparticular value. Find different combinations of pounds (£) and pence (p); combine amounts to make a particular value. Find different combinations of addition and subtraction of money. Solve simple problems in a practical context involving addition and subtraction of money. Solve simple problems in a practical context involving addition and subtraction of money. Compare and sequence intervals of time. Tell and write the time to five minutes, including quarter 	 Measure the perimeter of simple 2-D shapes. Add and subtract amounts of money to give change. (£ and p) Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks. Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use appropriate vocabulary. Know the number of seconds in a minute and the number of days in each month, year and leap year. Compare durations of events. Convert between different units of measure. (for example, kilometre to metre; hour to minute) Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. Find the area of rectilinear shapes by counting squares. Estimate, compare and calculate different measures, including money in pounds and pence. 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; 	between metric units and common imperial units such as inches, pounds and pints. • Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres. • 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. • Estimate volume and capacity. • Solve problems involving converting between units of time. • Use all four operations to solve problems involving measure (for example, length, mass, volume, money) using decimal notation, including scaling. • Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. • 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, using decimal notation up to three decimal places. • Convert between miles and kilometres. • Recognise that shapes with the same areas can have different perimeters and vice versa. • Recognise that shapes with the same areas can have different perimeters and vice versa. • Recognise that shapes with the same areas can have different perimeters and vice versa. • Recognise that shapes with the same areas can have different perimeters and vice versa. • Calculate the area of parallelograms and triangles. • Calculate, estimate and	

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	: Maths Curriculum Progress			
hands on a clock face to show these times.Know the number of minutes in an hour and the number of hours in a day.		cuboids using standard units, including cubic centimetres (cm3) and cubic metres (m3), and extending to other units.		
This threshold concept invol	Use statistics ves interpreting, manipulating ar ways.	nd presenting data in various		
Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6		
 Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. Ask and answer questions about totalling and comparing categorical data. 	 Interpret and present data using bar charts, pictograms and tables. Solve one-step and two-step questions (for example, 'How many more?' and 'How many fewer?') using information presented in scaled bar charts, pictograms and tables. Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs. 	 Solve comparison, sum and difference problems using information presented in a line graph. Complete, read and interpret information in tables, including timetables. Interpret and construct pie charts and line graphs and use these to solve problems. Calculate and interpret the mean as an average. 		
Use algebra This threshold concept involves recognising mathematical properties and relationships using symbolic representations.				
Milestone 1: Year 1 & 2	Milestone 2: Year 3 & 4	Milestone 3: Year 5 & 6		
• Solve addition and subtraction problems involving missing numbers.	• Solve addition and subtraction, multiplication and division problems that involve missing numbers.	 Use simple formulae. 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. 		