



NUMBER				MEASUREMENT	GEOMETRY	STATISTICS
Number and place Value	Addition and Subtraction	Multiplication and Division	Fractions		Properties of shape	
<p>Count backwards through zero to include negative numbers.</p> <p>Count in multiples of 6, 7, 9, 25 and 1000.</p> <p>Find 1000 more or less than a given number</p> <p>Order and compare numbers beyond 1000 (10,000 & 100,000)</p> <p>Compare numbers with the same number of decimal places up to two decimal places.</p> <p>Identify, represent and estimate numbers using different representations.</p> <p>Read Roman numerals to 100 (1-C) and know that over time, the numeral system changed to include the concept of zero and place value.</p> <p>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.</p> <p>Round decimals with one decimal place to the nearest whole number.</p> <p>Solve number and practical problems that involve all the above with increasingly larger positive numbers</p>	<p>Add and subtract numbers with up to 4 digits using formal and written methods of columnar addition and subtraction where appropriate. (including length, mass and capacity)</p> <p>Estimate and use inverse operations to check answers to a calculation.</p> <p>Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</p>	<p>Count in multiples of 6, 7, 9, 25, and 1000.</p> <p>Recall multiplication and division facts for multiplication tables up to 12x12.</p> <p>Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1.</p> <p>Multiplying together three numbers.</p> <p>Recognise and use factor pairs and commutatively in mental calculations</p> <p>Multiply 2-digit and 3-digit numbers by a 1-digit number using formal written layout.</p> <p>Estimate and use inverse operations to check answers to a calculation.</p> <p>Solve problems involving multiplying and adding, including using the distributive law to multiply 2-digit numbers by 1-digit.</p> <p>Integer scaling problems and harder correspondence problems such as n objects are connected to m objects.</p>	<p>Count up and down in hundredths.</p> <p>Recognise that hundredths arise when dividing an object by one hundred and dividing tenths by tenths.</p> <p>Compare numbers with the same number of decimal places up to two decimal places.</p> <p>Recognise and show, using diagrams, families of common equivalent fractions.</p> <p>Recognise and write decimal equivalents of any number of tenths or hundredths.</p> <p>Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{2}$</p> <p>Add and subtract fractions with the same denominator.</p> <p>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.</p> <p>Solve problems involving increasingly harder fractions to calculate quantities, e.g. $\frac{1}{4}$ of 24 $\frac{1}{2}$ of χ and fractions to divide quantities, including non-unit fractions where the answer is a whole number.</p> <p>Solve simple measure and money problems involving fractions and decimals to two decimal places.</p>	<p>Estimate, compare and calculate different measures, including money in pounds and pence</p> <p>Estimate, compare and calculate different measures, including money in pounds and pence.</p> <p>Measure and calculate perimeter of a rectilinear figure (including squares) in centimetres and metres.</p> <p>Find the area of rectilinear shapes by counting squares (rectilinear – shapes whose sides all meet at a right angle).</p> <p>Read, write and convert time between analogue and digital 12 and 24-hour clock.</p> <p>Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.</p> <p>Convert between different units of measure (e.g. km to m; hr to min)</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>Identify lines of symmetry in 2-D shapes presented in different orientations.</p> <p>Complete a simple symmetric figure with respect to a specific line of symmetry.</p> <p>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.</p> <p>Identify acute and obtuse angles and compare and order angles up to two right angles by size.</p>	<p>Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.</p> <p>Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</p>
	Algebra		Position, Direction and Movements			
<p>Perimeter can be expressed algebraically as $2(a + b)$ where a and b are the dimensions in the same unit.</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 plot specified points and draw sides to complete a given polygon.</p>				

