

Number and Place Value	Addition and Subtraction	Multiplication and Division
<ul style="list-style-type: none"> I can read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit I can count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 I can interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers through zero I can round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 I can solve number problems and practical problems that involve all of the above I can read Roman numerals to 1000 (M) and recognise years written in Roman numerals. 	<ul style="list-style-type: none"> I can add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) I can add and subtract numbers mentally with increasingly large numbers I can use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy I can solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. 	<ul style="list-style-type: none"> I can identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers. I can solve problems involving multiplication and division where larger numbers are used by decomposing them into their factors I can know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers I can establish whether a number up to 100 is prime and recall prime numbers up to 19 I can 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 I can mult/ divide numbers mentally drawing upon known facts I can 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 I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 I can recognise and use square numbers and cube numbers, and the notation for squared (²) and cubed (³) I can solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign I can solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.
	<p style="text-align: center;">Fractions</p> <ul style="list-style-type: none"> I can compare and order fractions whose denominators are all multiples of the same number I can identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths I can recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number I can add / subtract fractions with same denominator and mults of the same number I can multiply proper fractions and mixed nos by whole nos, 	<p style="text-align: center;">Fractions</p> <ul style="list-style-type: none"> I can read and write decimal numbers as fractions I can recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents I can round decimals with two decimal places to the nearest whole number and to one decimal place I can read, write, order and compare numbers up to 3dp I can solve problems involving number up to 3dp I can recognise the per cent symbol (%) and understand that per cent relates to "number of parts per hundred", and write percentages as a fraction with denominator hundred, and as a decimal fraction I can solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}, \frac{1}{4}, \frac{1}{5}, \frac{2}{5}, \frac{4}{5}$ and those with a denominator of a multiple of 10 or 25.



Measurement		Geometry	
<ul style="list-style-type: none"> I can convert between different units of metric measure (e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre) 	<input type="text"/> <input type="text"/> <input type="text"/>	<ul style="list-style-type: none"> I can identify 3-D shapes, including cubes and other cuboids, from 2-D representations I can know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles 	<input type="text"/> <input type="text"/> <input type="text"/>
<ul style="list-style-type: none"> I can understand and use equivalences between metric units and common imperial units such as inches, pounds and pints 	<input type="text"/> <input type="text"/> <input type="text"/>	<ul style="list-style-type: none"> I can draw given angles, and measure them in degrees ($^{\circ}$) 	<input type="text"/> <input type="text"/> <input type="text"/>
<ul style="list-style-type: none"> I can measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres 	<input type="text"/> <input type="text"/> <input type="text"/>	<ul style="list-style-type: none"> I can identify: angles at a point and one whole turn (total 360°), angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180°), other multiples of 90° 	<input type="text"/> <input type="text"/> <input type="text"/>
<ul style="list-style-type: none"> I can calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes 	<input type="text"/> <input type="text"/> <input type="text"/>	<ul style="list-style-type: none"> I can use the properties of rectangles to deduce related facts and find missing lengths and angles I can distinguish between regular and irregular polygons based on reasoning about equal sides and angles. I can 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. 	<input type="text"/> <input type="text"/> <input type="text"/>
<ul style="list-style-type: none"> I can estimate volume (e.g. using 1 cm^3 blocks to build cubes and cuboids) and capacity (e.g. using water) 	<input type="text"/> <input type="text"/> <input type="text"/>	Statistics	
<ul style="list-style-type: none"> I can solve problems involving converting between units of time 	<input type="text"/> <input type="text"/> <input type="text"/>	<ul style="list-style-type: none"> I can solve comparison, sum and difference problems using information presented in a line graph 	<input type="text"/> <input type="text"/> <input type="text"/>
<ul style="list-style-type: none"> I can use all four operations to solve problems involving measure (e.g. length, mass, volume, money) using decimal notation including scaling. 	<input type="text"/> <input type="text"/> <input type="text"/>	<ul style="list-style-type: none"> I can complete, read and interpret information in tables, including timetables. 	<input type="text"/> <input type="text"/> <input type="text"/>

