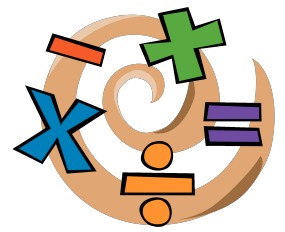




Mathematics

Number & Calculations



Name: _____

By the end of Year 4...

To Know and Use Numbers			<p>*I can count in multiples of 6, 7, 9 25 and 1000.</p> <p>*I can find 1000 more or less than a given number.</p> <p>*I can count backwards through zero to include negative numbers.</p>
			<p>*I can read Roman numerals to 100 (<i>I to C</i>).</p> <p>*I can identify, represent and estimate numbers using different representations.</p>
			<p>*I can order and compare numbers beyond 1000 (including measures).</p>
			<p>*I can recognise the place value of each digit in a four-digit whole number.</p> <p>*I can round any number to the nearest 10, 100 and 1000.</p>
			<p>*I can solve number and practical problems with large positive numbers.</p> <p>*I know which operation to use when solving problems.</p> <p>*I can check my work and make corrections.</p> <p>*I look for patterns in results when problem solving.</p>
To Add and Subtract			<p>*I can add and subtract numbers with up to four digits using the formal written methods of columnar addition and subtraction.</p>
			<p>*I can solve two-step addition and subtraction problems in contexts.</p>
			<p>*I can estimate and use inverse operations to check answers to a calculation.</p>
To Multiply and Divide			<p>*I can recall multiplication and division facts for multiplication tables up to 12x12.</p>
			<p>*Using place value, and known and derived facts:</p> <ul style="list-style-type: none"> - I can multiply and divide mentally, by 0 and 1. - I can mentally multiply together three numbers. <p>*I can recognise and use factor pairs in mental calculations.</p> <p>*I can multiply two digit and three digit numbers by a one digit number.</p>
			<p>*I can recognise and use the inverse relationship between multiplication and division and use this to check calculations and solve missing number problems.</p>
To Use Fractions			<p>*I understand the distributive law.</p> <p>*I can use the distributive law and other multiplication and addition methods to solve:</p> <ul style="list-style-type: none"> - Problems involving multiplying two-digit numbers by a one-digit number. - Integer scaling problems. - Correspondence problems.
			<p>*I can add and subtract fractions with the same denominator.</p> <p>*I can recognise, find and write fractions of a length and of a shape. (<i>unit and non-unit fractions</i>)</p> <p>*I can recognise, find and write fractions of whole numbers and set of objects.</p>
			<p>*I can compare numbers with the same number of decimal places up to 2dp.</p> <p>*I can count up and down in tenths and hundredths and understand how they arise.</p> <p>*I can compare and order unit fractions and fractions with the same denominators.</p> <p>*I can find the effect of dividing a one or two-digit number by 10 and 100.</p> <p>*I can round decimals with one decimal place to the nearest whole number.</p>
			<p>*I can recognise and show, using diagrams, families of common equivalent fractions. <i>E.g. $\frac{1}{4}$ is equivalent to $\frac{2}{8}, \frac{3}{12}, \frac{4}{16}$, etc.</i></p> <p>*I can recognise and write decimal equivalents of any number of tenths or hundredths.</p> <p>*I can recognise and write decimal equivalents to $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}$.</p>
			<p>*I can solve problems involving increasingly harder fractions.</p> <p>*I can solve simple measure and money problems involving fractions and decimals to two decimal places.</p>

