

Maths Success in Year 4

<p>[KEY] I can count up and down in hundredths and know that a hundredth is made by dividing an object by one hundred and a tenth is made by dividing an object by ten.</p>	<p>[KEY] I know all my times table up to the 12 times tables.</p>	<p>I can solve number and practical problems that involve rounding, ordering and exploring negative numbers and with increasingly large positive numbers.</p>	<p>I can 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.</p>	<p>I know what the outcome is when I multiply a number by 1 or by zero.</p>	<p>I can work out the fractions of numbers such as $\frac{4}{5}$ of 25 or $\frac{7}{10}$ of 700.</p>	
	<p>I know what the outcome is when I divide a number by 1.</p>	<p>I know what each digit means in four-digit numbers such as 2024.</p>	<p>[KEY] I can count in multiples of 6, 7, 9, 25 and 1000.</p>	<p>[KEY] I can order and compare numbers above 1000.</p>	<p>I can multiply three numbers together, such as $3 \times 6 \times 9$.</p>	
<p>I know what factor pairs are how I can multiply numbers in any order and use my knowledge to work out questions in my head.</p>	<p>I can make estimates of a range of things - such as how many small objects there are in a large jar, how long in cm an object is, how heavy an object may weigh in kg.</p>	<p>I can find 1000 more or less than a given number.</p>	<p>[KEY] I can count backwards to negative numbers below zero.</p>	<p>[KEY] I can round a number to the nearest 10, 100 or 1000.</p>	<p>I can multiply a two-digit or a three-digit number by a one-digit number using written methods.</p>	
	<p>I can solve maths problems such as - how many different outfits can I make from 3 hats and 4 coats.</p>	<p>I can estimate an answer and check my answer using inverse operations.</p>	<p>I can add and subtract numbers with up to 4 digits using written methods (for example, using column addition and subtraction).</p>	<p>[KEY] I can solve longer addition and subtraction problems and explain all the steps I took and why I worked things out as I did.</p>	<p>[KEY] I can show in drawings why a number of fractions equal each other (such as $\frac{3}{5}$ and $\frac{6}{10}$) and are called equivalent fractions.</p>	

<p>I can take continuous and discrete data and create a bar chart or time graph.</p>	<p>I can convert hours to minutes, minutes to seconds, years to months and weeks to days.</p>	<p>[KEY] I can convert one unit of measurement to another, such as kilometre to metre, hour to minute and cm to mm.</p>	<p>I can measure and calculate the perimeter of a rectangle (including a square).</p>	<p>[KEY] I can group 2-D shapes based on their properties (such as the number of sides) and sizes.</p>	<p>[KEY] I can solve comparison, sum and difference problems using information in bar charts, pictograms, tables and other graphs.</p>	
	<p>I can find acute and obtuse angles and order a set of given angles by size.</p>	<p>I can divide a one- or two-digit number by 10 and 100 and I know what the tenths and hundredths mean after the decimal point.</p>	<p>I can add and subtract fractions with the same denominator.</p>	<p>[KEY] I can round decimals with one decimal place to the nearest whole number.</p>	<p>[KEY] I can find all the lines of symmetry in 2-D shapes.</p>	
<p>If I have been given one half of a symmetrical shape, I can complete the other half based on the position of the line of symmetry.</p>	<p>I can compare numbers such as 0.26 and 0.56 to say which is bigger or lower.</p>	<p>I can tell you the decimal equivalents of any number of tenths or hundredths - such as $1/10 = 0.1$ and $23/100 = 0.23$.</p>	<p>I know what the decimal equivalents are for $1/4$, $1/2$ and $3/4$.</p>	<p>[KEY] I can solve measure and money problems involving fractions and decimals to two decimal places.</p>	<p>I can find the coordinates of a point on a grid.</p>	
	<p>I can move (translate) a point on a grid by a given set of jumps either up/down or left/right.</p>	<p>I can estimate and compare the measurements of a range of measures (such as cm, km, g, litres) and money.</p>	<p>I can find the area of a rectangular shape by counting the number of squares the shape takes up.</p>	<p>I can read, write and convert time between clocks with hands (analogue clocks) and digital 12- and 24-hour clocks.</p>	<p>[KEY] I can plot points using coordinates and join up the points to create a shape.</p>	