

# Mathematics assessment guidelines

Name of child:

Class:

Number, ratio and proportion, and algebra			Measurement, geometry and statistics			
AF1 - Number, place value, approximation and estimation/rounding	AF2 - Addition, subtraction, multiplication and division (calculations)	AF3 - Fractions, decimals and percentages	AF6 - Measurement	AF7 - Geometry – properties of shape	AF8 - Statistics	
<b>Standard 2</b>	<ul style="list-style-type: none"> <li>Count in steps of 2, 3 and 5 from 0, and in tens from any number, forward or backward <b>2N1</b></li> <li>Read and write numbers to at least 100 in numerals and in words <b>2N2a</b></li> <li>Compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs <b>2N2b</b></li> <li>Recognise the place value of each digit in a two-digit number (tens, ones) <b>2N3</b></li> <li>Identify, represent and estimate numbers using different representations, including the numberline <b>2N4</b></li> <li>Use place value and number facts to solve problems <b>2N6</b></li> </ul>	<ul style="list-style-type: none"> <li>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 <b>2C1a</b></li> <li>Add and subtract numbers mentally, including:               <ul style="list-style-type: none"> <li>a two-digit number and ones</li> <li>a two-digit number and tens</li> <li>two two-digit numbers</li> <li>adding three one-digit numbers <b>2C1b</b></li> </ul> </li> <li>Add and subtract numbers using concrete objects and pictorial representations, including:               <ul style="list-style-type: none"> <li>a two-digit number and ones</li> <li>a two-digit number and tens</li> <li>two two-digit numbers</li> <li>adding three one-digit numbers <b>2C2</b></li> </ul> </li> <li>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems <b>2C3</b></li> <li>Solve problems with addition and subtraction:               <ul style="list-style-type: none"> <li>using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> <li>applying their increasing knowledge of mental and written methods <b>2C4</b></li> </ul> </li> <li>Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers <b>2C6</b></li> <li>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs <b>2C7</b></li> <li>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts <b>2C8</b></li> <li>Show that addition and multiplication of two numbers can be done in any order (commutative) and subtraction and division of one number from another cannot <b>2C9</b></li> </ul>	<ul style="list-style-type: none"> <li>Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of length, shape, set of objects or quantity <b>2F1a</b></li> <li>Write simple fractions (e.g. <math>\frac{1}{2}</math> of 6 = 3) <b>2F1b</b></li> <li>Recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math> <b>2F2</b></li> </ul>	<ul style="list-style-type: none"> <li>Compare and order lengths, mass, volume/capacity and record the results using &gt;, &lt; and = <b>2M1</b></li> <li>Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (l/ml) to the nearest appropriate unit using rulers, scales, thermometers and measuring vessels <b>2M2</b></li> <li>Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value <b>2M3a</b></li> <li>Find different combinations of coins that equal the same amounts of money <b>2M3b</b></li> <li>Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times <b>2M4a</b></li> <li>Compare and sequence intervals of time <b>2M4b</b></li> <li>Know the number of minutes in an hour and the number of hours in a day <b>2M4c</b></li> <li>Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change <b>2M9</b></li> </ul>	<ul style="list-style-type: none"> <li>Compare and sort common 2-D shapes and everyday objects <b>2G1a</b></li> <li>Compare and sort common 3-D shapes and everyday objects <b>2G1b</b></li> <li>Identify and describe the properties of 2-D shapes, including the number of sides and line of symmetry in a vertical line <b>2G2a</b></li> <li>Identify and describe the properties of 3-D shapes including the number of edges, vertices and faces <b>2G2b</b></li> <li>Identify 2-D shapes on the surface of 3-D shapes (e.g. a circle on a cylinder and a triangle on a pyramid) <b>2G3</b></li> <li>Order and arrange combinations of mathematical objects in patterns and sequences <b>2P1</b></li> <li>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) <b>2P2</b></li> </ul>	<ul style="list-style-type: none"> <li>Interpret and construct simple pictograms, tally charts, block diagrams and simple tables <b>2S1</b></li> <li>Ask and answer simple questions by counting the number of objects in each category and sorting categories by quantity <b>2S2a</b></li> <li>Ask and answer questions about totalling and comparing categorical data <b>2S2b</b></li> </ul>