

## Subject Specific-Skills: Age-related expectations in maths – Number and Place Value

Year	Counting	Comparing numbers	Identifying, representing and estimating numbers	Reading and writing numbers including roman numerals	Understanding place value	Rounding	Problem solving
<b>1</b>	<ul style="list-style-type: none"> <li>Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</li> <li>Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens</li> <li>Given a number, identify one more and one less.</li> </ul>	<ul style="list-style-type: none"> <li>Use the language of: equal to, more than, less than (fewer), most, least</li> </ul>	<ul style="list-style-type: none"> <li>Identify and represent numbers using objects and pictorial representations including the number line</li> </ul>	<ul style="list-style-type: none"> <li>Read and write numbers from 1 to 20 in numerals and words.</li> </ul>			
<b>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</li> </ul>	<ul style="list-style-type: none"> <li>Compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs</li> </ul>	<ul style="list-style-type: none"> <li>Identify, represent and estimate numbers using different representations, including the number line</li> </ul>	<ul style="list-style-type: none"> <li>Read and write numbers to at least 100 in numerals and in words</li> </ul>	<ul style="list-style-type: none"> <li>Recognise the place value of each digit in a two-digit number (tens, ones)</li> </ul>		<ul style="list-style-type: none"> <li>Use place value and number facts to solve problems</li> </ul>
<b>3</b>	<ul style="list-style-type: none"> <li>Count from 0 in multiples of 4, 8, 50 and 100;</li> </ul>	<ul style="list-style-type: none"> <li>Compare and order numbers up to 1000</li> </ul>	<ul style="list-style-type: none"> <li>Identify, represent and estimate numbers using different representations</li> </ul>	<ul style="list-style-type: none"> <li>Read and write numbers up to 1000 in numerals and in words <i>tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks</i> (copied from Measurement)</li> </ul>	<ul style="list-style-type: none"> <li>Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)</li> </ul>		<ul style="list-style-type: none"> <li>Solve number and practical problems involving these ideas</li> </ul>
<b>4</b>	<ul style="list-style-type: none"> <li>Count backwards through zero to include negative numbers</li> <li>Count in multiples of 6, 7, 9, 25 and 1000</li> <li>Find 1000 more or less than a given number</li> </ul>	<ul style="list-style-type: none"> <li>Order and compare numbers beyond 1000</li> <li><i>Compare numbers with the same number of decimal places up to two decimal places</i> (copied from Fractions)</li> </ul>	<ul style="list-style-type: none"> <li>Identify, represent and estimate numbers using different representations</li> </ul>	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) <i>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 units, tenths and hundredths</i> (copied from Fractions)</li> </ul>	<ul style="list-style-type: none"> <li>Round any number to the nearest 10, 100 or 1 000 round decimals with one decimal place to the nearest whole number (copied from Fractions)</li> </ul>	<ul style="list-style-type: none"> <li>Solve number and practical problems that involve all of the above and with increasingly large positive numbers</li> </ul>
<b>5</b>	<ul style="list-style-type: none"> <li>Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero count forwards or</li> </ul>	<ul style="list-style-type: none"> <li>Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)</li> </ul>		<ul style="list-style-type: none"> <li>Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Comparing Numbers)</li> <li>Read Roman numerals</li> </ul>	<ul style="list-style-type: none"> <li>Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Reading and</li> </ul>	<ul style="list-style-type: none"> <li>Round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000</li> <li>Round decimals with two decimal places to the</li> </ul>	<ul style="list-style-type: none"> <li>Solve number and practical problems that involve all of the above</li> </ul>

	backwards in steps of powers of 10 for any given number up to 1 000 000			to 1000 (M) and recognise years written in Roman numerals.	Writing Numbers) <ul style="list-style-type: none"> <li>Recognise and use <i>thousandths</i> and relate them to <i>tenths, hundredths</i> and <i>decimal equivalents</i> (copied from Fractions)</li> </ul>	nearest whole number and to one decimal place (copied from Fractions)	
6	<ul style="list-style-type: none"> <li>Use negative numbers in context, and calculate intervals across zero</li> </ul>	<ul style="list-style-type: none"> <li>Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)</li> </ul>		<ul style="list-style-type: none"> <li>Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Understanding Place Value)</li> </ul>	<ul style="list-style-type: none"> <li>Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers) <i>identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places</i> (copied from Fractions)</li> <li>Reading and Writing Numbers) <i>identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places</i> (copied from Fractions)</li> </ul>	<ul style="list-style-type: none"> <li>Round any whole number to a required degree of accuracy</li> <li>Solve problems which require answers to be rounded to specified degrees of accuracy (copied from Fractions)</li> </ul>	<ul style="list-style-type: none"> <li>Solve number and practical problems that involve all of the above</li> </ul>