



Progression of Skills: Number and Place Value

Nursery	Reception	Y1	Y2	Y3	Y4	Y5	Y6
Number and place value	Number and place value	Number and place value	Number and place value	Number and place value	Number and place value	Number and place value	Number and place value
Pupils should be taught to:	Pupils should be taught to:	Pupils should be taught to:	Pupils should be taught to:	Pupils should be taught to:	Pupils should be taught to:	Pupils should be taught to:	Pupils should be taught to:
<p>Uses some number names and number language spontaneously.</p> <p>Uses some number names accurately in play.</p> <p>Recites numbers in order to 10.</p> <p>Knows that numbers identify how many objects are in a set.</p> <p>Beginning to represent numbers using fingers, marks on paper or pictures.</p> <p>Sometimes matches numeral and quantity correctly.</p> <p>Shows curiosity about numbers by offering comments or asking questions.</p> <p>Compares two groups of objects, saying when they have the same number.</p> <p>Shows an interest in number problems. Separates a group</p>	<p>Recognise some numerals of personal significance.</p> <p>Recognise numerals 1 to 5.</p> <p>Count up to three or four objects by saying one number name for each item.</p> <p>Count actions or objects which cannot be moved.</p> <p>Count objects to 10, and beginning to count beyond 10.</p> <p>Count out up to six objects from a larger group.</p> <p>Select the correct numeral to represent 1 to 5, then 1 to 10 objects.</p> <p>Count an irregular arrangement of up to ten objects.</p> <p>Estimate how many objects they can see and checks by counting them.</p> <p>Record, using marks that they can interpret and explain.</p>	<p>Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</p> <p>Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens</p> <p>Given a number, identify one more and one less</p> <p>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</p> <p>Read and write numbers from 1 to 20 in numerals and words</p>	<p>Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward recognise the place value of each digit in a two-digit number (tens, ones)</p> <p>Identify, represent and estimate numbers using different representations, including the number line</p> <p>Compare and order numbers from 0 up to 100; use <, > and = signs</p> <p>Read and write numbers to at least 100 in numerals and in words</p> <p>Use place value and number facts to solve problems</p>	<p>Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number</p> <p>Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)</p> <p>Compare and order numbers up to 1000</p> <p>Identify, represent and estimate numbers using different representations</p> <p>Read and write numbers up to 1000 in numerals and in words</p> <p>Solve number problems and practical problems involving these ideas</p>	<p>Count in multiples of 6, 7, 9, 25 and 1000</p> <p>Find 1000 more or less than a given number</p> <p>Count backwards through zero to include negative numbers</p> <p>Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)</p> <p>Order and compare numbers beyond 1000</p> <p>Identify, represent and estimate numbers using different representations</p> <p>Round any number to the nearest 10, 100 or 1000</p> <p>Solve number and practical problems that involve all of the above and with increasingly large positive numbers</p> <p>Read Roman numerals to 100 (I to C) and know that over time, the</p>	<p>Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit</p> <p>Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000</p> <p>Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers through zero</p> <p>Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000</p> <p>Solve number problems and practical problems that involve all of the above</p> <p>Read Roman numerals to 1000 (M) and recognise years written in Roman numerals</p>	<p>Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit</p> <p>Round any whole number to a required degree of accuracy</p> <p>Use negative numbers in context, and calculate intervals across zero</p> <p>Solve number and practical problems that involve all of the above</p>

<p>of three or four objects in different ways, beginning to recognise that the total is still the same.</p> <p>Shows an interest in numerals in the environment.</p> <p>Shows an interest in representing numbers.</p> <p>Realises not only objects, but anything can be counted, including steps, claps or jumps.</p>	<p>Begin to identify own mathematical problems based on own interests and fascinations.</p> <p>ELG Children count reliably with numbers from 1 to 20, place them in order and say which number is one more or one less than a given number</p>				<p>numeral system changed to include the concept of zero and place value</p>		
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