

Curriculum progressionNumber: Number and Place Value

Counting						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>I know how to identify when a set can be subitised or needs to be counted.</p> <p>I know how to subitise so I can subitise structured and unstructured arrangements.</p> <p>I know the last number I said in counting tells me how many there is. (Cardinality)</p> <p>I know each thing must only be counted once.</p> <p>I know anything can be counted so I can count objects, actions or sounds.</p> <p>I know to count 1 thing at a time.</p>	<p>I know how to count to 100 from 0, 1 so I can count forwards and backwards beginning at any given number.</p> <p>I know how to count to 100 in numerals.</p> <p>I know how to count in multiples of twos.</p> <p>I know how to count in multiples of five.</p> <p>I know how to count in multiples of ten.</p>	<p>I know how to count in steps of 2 from 0.</p> <p>I know how to count in steps of 3 from 0.</p> <p>I know how to count in steps of 5 from 0.</p> <p>I know how to count in tens from any number so I can count forwards and backwards.</p>	<p>Count from 0 in multiples of 4, 8, 50 and 100</p> <p>I know how to count in multiples of 4 from 0.</p> <p>I know how to count in multiples of 8 from 0.</p> <p>I know how to count in multiples of 50 from 0.</p> <p>I know how to count in multiples of 100 from 0.</p> <p>I know how to find 10 more or less from a number.</p> <p>I know how to find 100 more or less from a number.</p>	<p>I know how to count in multiples of 6.</p> <p>I know how to count in multiples of 7.</p> <p>I know how to count in multiples of 9.</p> <p>I know how to count in multiples of 25.</p> <p>I know how to count in multiples of 1000.</p> <p>I know how to count backwards through zero, so I can count in negative numbers.</p>	<p>I know how to count in powers of 10 so I can count forwards and backwards for any given number up to 1,000,000.</p> <p>I can count in negative numbers so I can count forwards and backwards accurately. Through zero.</p> <p>I know how to count in multiples up to 12x forwards and backwards.</p>	<p>I know how to count in powers of 10 so I can count forwards and backwards for any given number up to 1,000,000.</p> <p>I can count in negative numbers so I can count forwards and backwards accurately. Through zero.</p> <p>I know how to count in multiples up to 12x forwards and backwards.</p>



I know how to verbally count to 20 and beyond.						
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Comparing Number

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
I know how to compare sets of numbers by matching.		I know how to order numbers from 0 to 100.	I know how to compare numbers up to 1,000.	I know how to compare numbers beyond 1,000.	I know how to compare numbers up to 1,000,000.	I know how to compare numbers up to 1,000,000.
I know equal groups are the same.		I know how to compare numbers from 0 to 100.	I know how to order numbers up to 1,000.	I know how to order numbers beyond 1,000.	I know how to order numbers up to 1,000,000.	I know how to order numbers up to 1,000,000.
I know unequal groups are different.		I know < means less than.				
I know odd numbers make an incomplete shape. (numicon)		I know > means greater than.				
I know even numbers make a complete shape (numicon)		I know = means equal to.				

**Identifying, representing and Estimating Number**

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>I know how to make different arrangements of the number 5.</p> <p>I know how to how to use my fingers to show numbers and quantities so I can represent numbers.</p> <p>I know the next number I count is 1 more than the number before.</p> <p>I know how to connect quantities to numerals within 10.</p> <p>I know 6 and 7 are made up of 5 and a bit more.</p> <p>I know how to represent numbers so I can show them in a 10s frame.</p>	<p>I know how to identify numbers using objects and pictorial representations, (tens and ones).</p>	<p>I know how to represent numbers up to 100 using different representations.</p> <p>I know how to estimate numbers up to 100 using a number line.</p> <p>I know how to identify numbers up to 100 using different representations.</p>	<p>I know how to represent numbers up to 3 digits using different representations.</p> <p>I know how to identify numbers up to 3 digits using different representations.</p>	<p>I know how to identify numbers up to 4 digits using different representations.</p>	<p>I know how to identify numbers up to 1,000,000 using different representations.</p>	<p>I know how to identify numbers up to 1,000,000 using different representations.</p>

**Reading and Writing Numbers**

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>I know how to read numbers up to 10.</p> <p>I know how to read numbers within 5.</p> <p>I know how to write numbers within 10.</p>	<p>I know how to read numbers to 100 in numerals.</p> <p>I know how to write numbers to 100 in numerals.</p> <p>I know how read numbers from 1 to 20 in numerals and words.</p> <p>I know how to write numbers from 1 to 20 in numerals and words.</p>	<p>I know how to write numbers to at least 100 in numerals and words</p> <p>I know how to read numbers to at least 100 in numerals and words.</p>	<p>I know how to write numbers up to 1000 in numerals and words</p> <p>I know how to read numbers to at least 100 in numerals and words.</p>	<p>Read roman numerals to 100 and know that over time</p> <p>I know how to read Roman Numerals to 100.</p> <p>I know how to read numbers to 10,000 in numerals and words.</p> <p>I know how to write numbers to 10,000 in numerals and words.</p>	<p>I know how to write numbers to 1,000,000</p> <p>I know how to read numbers to 1,000,000</p> <p>I know how to read roman numbers to 1000 (M) so I can recognise years written in roman numerals.</p>	<p>I know how to write numbers to 1,000,000</p> <p>I know how to read numbers to 1,000,000</p>

Understanding Place Value

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>I know a number can have whole or parts.</p> <p>I know one more of numbers within 10.</p> <p>I know one less of numbers within 10.</p>	<p>Given a number identify one more and one less</p>	<p>Recognise the place value of each digit in a two-digit number (tens/ones)</p>	<p>Recognise the place value of each digit in a three-digit number (hundreds/tens/ones)</p>	<p>Find 1000 more or less than a given number</p> <p>Recognise the place value digit in a four digit number (thousands/hundreds/tens/ones)</p>	<p>Recognise the place value of numbers to 1,000,000 and determine each digit</p> <p>Interpret negative numbers in context</p>	<p>Recognise the place value of numbers to 1,000,000 and determine each digit</p> <p>Use negative numbers in context and calculate intervals across zero</p>

**Rounding**

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				Round any number to the nearest 10, 100, 1000	Round any number up to the nearest 1,000,000 to the nearest 10, 100, 1000, 10,000, 100,000	Round any whole number to a required degree of accuracy

Problem Solving

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
I know number bonds to 5 so I can identify missing parts of the number 5.	Use place value and number facts to solve problems	Use place value and number facts to solve problems	Solve number problems and practical problems involving place value	Solve number and practical problems that involve numbers up to 4 digits.	Solve number problems and practical problems involving place value	Solve number problems and practical problems involving place value