



## Progression of skills in Maths: Place Value

<b>Skills:</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>
<b>Counting</b>	<p>count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</p> <p>Count numbers to 100 in numerals; count in multiples of twos, fives and tens</p>	<p>count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward</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>count in multiples of 6, 7, 9, 25 and 1000 count backwards through zero to include negative numbers</p>	<p>count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000</p> <p>count forwards and backwards with positive and negative whole numbers, including through zero</p>	
<b>Representing</b>	<p>identify and represent numbers using objects and pictorial representations</p> <p>read and write numbers to 100 in numerals</p> <p>read and write numbers from 1 to 20 in numerals and words</p>	<p>read and write numbers to at least 100 in numerals and in words</p> <p>identify, represent and estimate numbers using different representations, including the number line</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>identify, represent and estimate numbers using different representations</p> <p>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>read, write, (order and compare) numbers to at least 1 000 000 and determine the value of each digit</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>
<b>Using and comparing</b>	<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>compare and order numbers from 0 up to 100; use and = signs</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>find 1000 more or less than a given number</p> <p>recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)</p>	<p>(read, write) order and compare numbers to at least 1 000 000 and determine the value of each digit</p>	<p>(read, write), order and compare numbers up to 10 000 000 and determine the value of each digit</p>

				order and compare numbers beyond 1000		
<b>Problems and Rounding</b>		use place value and number facts to solve problems	solve number problems and practical problems involving these ideas	<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>Interpret negative numbers in context</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>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>