



Progression in Mathematics: Place Value

	Y1	Y2	Y3	Y4	Y5	Y6
Place Value: Counting	- Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number. - Count numbers to 100 in numerals; count in multiples of twos, fives and tens.	Count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward.	Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number.	- Count in multiples of 6, 7, 9, 25 and 1000 - Count backwards through zero to include negative numbers.	- Count forwards or backwards in steps of powers of 10 for any given number up to 1, 000, 000 - Count forwards and backwards with positive and negative whole numbers, including through zero.	
Place Value: Represent	- Identify and represent numbers using objects and pictorial representations - Read and write numbers to 100 in numerals - Read and write numbers from 1 to 20 in words and numerals.	- Read and write numbers to at least 100 in numerals and in words. - Identify, represent and estimate numbers using different representations including the number line.	- Identify, represent and estimate numbers using different representations. - Read and write numbers to 1000 in numerals and in words,	- Identify, represent and estimate numbers using different representations. - Read Roman numerals to 100 and know that over time, the numerals system changed to include the concept of zero and place value.	- Read, write, order and compare numbers to 1,000,000 and determine the value of each digit. - Read Roman numerals to 1000 and recognise years written in Roman numerals.	Read, write, order and compare numbers to 10,000,000 and determine the value of each digit.
Place Value: Use PV and Compare	Given a number, identify one more and one less	- Recognise the place value of each digit in a two-digit number. - Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs.	- Recognise the place value of each digit in a three-digit number. - Compare and order numbers up to 1000.	- Find 1000 more or less than a given number. - Recognise the place value of each digit in a four-digit number. - Order and compare numbers beyond 1000.	Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit.	Read, write, order and compare numbers to at least 10,000,000 and determine the value of each digit.
Place Value: Problems and Rounding		Use place value and number facts to solve problems.	Solve number problems and practical problems involving these ideas.	- Round any number to the nearest 10, 100 or 1000. - Solve number and practical problems that include all of the above and with increasingly large positive numbers.	- Interpret negative numbers in context. - Round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000. - Solve number problems and practical problems that involve all of the above.	- Round any whole number to a required degree of accuracy. - Use negative numbers in context, and calculate intervals across zero. - Solve number problems and practical problems that involve all of the above.