



## Preston CofE Primary School

### Maths Progression of Skills – Number and place value

	EYFS	KS1		KS2			
	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Counting</b>							
	Count objects, actions and sounds.  Count beyond ten.	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.  Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens.  Given a number, identify one more and one less.	Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward	Count from 0 in multiples of 4, 8, 50 and 100;  Find 10 or 100 more or less than a given number.	Count backwards through zero to include negative numbers.  Count in multiples of 6, 7, 9, 25 and 1 000.  Find 1 000 more or less than a given number.	Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.  Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000.	Use negative numbers in context, and calculate intervals across zero

<b><u>Comparing numbers</u></b>							
	Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity. Compare numbers.	Use the language of: equal to, more than, less than(fewer), most, least.	Compare and order numbers from 0 up to 100; use <, > and = signs.	Compare and order numbers from 0 up to 100; use <, > and = signs.	Order and compare numbers beyond 1 000.  Compare numbers with the same number of decimal places up to two decimal places (copied from Fractions)	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).	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).
<b><u>Identifying, representing, and estimating numbers</u></b>							
	Subitise.  Link the number symbol (numeral) with its cardinal number value.	Identify and represent numbers using objects and pictorial representations including the number line.	Identify, represent and estimate numbers using different representations, including the number line.	Identify, represent and estimate numbers using different representations.	Identify, represent and estimate numbers using different representations.		
<b><u>Reading and writing numbers (inc. Roman numerals)</u></b>							
	n/a	Read and write numbers from 1 to 20 in numerals and words.	Read and write numbers to at least 100 in numerals and in words.	Read and write numbers up to 1 000 in numerals and in words. <i>tell and write the time from an analogue clock, including using</i>	Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed	Read, write, order and compare numbers to at least 1 000 000 and determine	Read, write, order and compare numbers up to 10 000 000 and determine

				<i>Roman numerals from I to XII, and 12-hour and 24-hour clocks (copied from Measurement)</i>	to include the concept of zero and place value.	the value of each digit (appears also in Comparing Numbers).	the value of each digit (also in Understanding Place Value).
<b><u>Understanding place value</u></b>							
	<p>Understand the 'one more than/one less than' relationship between consecutive numbers.</p> <p>Explore the composition of numbers to 10.</p>	Recognise the place value of each digit in a two-digit number (tens, ones).	Recognise the place value of each digit in a three-digit number (hundreds, tens, ones).	<p>Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)</p> <p><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 (copied from Fractions)</i></p>	<p>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).</p> <p>Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents (copied from Fractions)</p>	<p>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).</p> <p>Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents (copied from Fractions).</p>	<p>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)</p> <p><i>Identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1 000 where the answers are up to three decimal places (copied from Fractions)</i></p>

<b><u>Rounding</u></b>							
	n/a	n/a	n/a	n/a	Round any number to the nearest 10, 100 or 1 000. <i>Round decimals with one decimal place to the nearest whole number (copied from Fractions)</i>	Round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000. <i>Round decimals with two decimal places to the nearest whole number and to one decimal place (copied from Fractions).</i>	Round any whole number to a required degree of accuracy. <i>Solve problems which require answers to be rounded to specified degrees of accuracy (copied from Fractions).</i>
<b><u>Problem solving</u></b>							
	n/a	n/a	Use place value and number facts to solve problems	Solve number problems and practical problems involving these ideas.	Solve number and practical problems that involve all of the above and with increasingly large positive numbers	Solve number problems and practical problems that involve all of the above.	Solve number and practical problems that involve all of the above.