

Number: Number and Place Value

	COUNTING					
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
verbally count beyond 20, recognising the pattern of the counting system.	count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number			count backwards through zero to include negative numbers	interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero (taught in temperature)	use negative numbers in context, and calculate intervals across zero
	count, read and write 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 or backward	count from 0 in multiples of 4, 8, 50 and 100;	count in multiples of 6, 7, 9, 25 and 1000	count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000	
have a deep understanding of number to 10, including the composition of each number. subitise (recognise quantities without counting) up to 5. compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity.	given a number, identify one more and one less		find 10 or 100 more or less than a given number	find 1000 more or less than a given number		

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COMPARING NUMBERS						
compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity.	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 up to 1000	order and compare numbers beyond 1000 <i>compare numbers with the same number of decimal places up to two decimal places</i> (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)

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IDENTIFYING, REPRESENTING AND ESTIMATING NUMBERS						
<p>have a deep understanding of number to 10, including the composition of each number subitise (recognise quantities without counting) up to 5. explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.</p>	<p>identify and represent numbers using objects and pictorial representations including the number line</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>identify, represent and estimate numbers using different representations</p>		

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	READING AND WRITING NUMBERS (including Roman Numerals)					
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>Have a deep understanding of number to 10, including the composition of each number.</p> <p>Verbally count beyond 20, recognising the pattern of the counting system.</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>read and write numbers up to 1000 in numerals and in words</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 (appears also in Comparing Numbers)</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 (appears also in Understanding Place Value)</p>

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UNDERSTANDING PLACE VALUE					
	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)	recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)	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)
			<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</i> (copied from Fractions)	<i>recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents</i> (copied from Fractions)	<i>identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places</i> (copied from Fractions)

ROUNDING						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				round any number to the nearest 10, 100 or 1 000	round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000	round any whole number to a required degree of accuracy
				<i>round decimals with one decimal place to the nearest whole number</i> (copied from Fractions)	<i>round decimals with two decimal places to the nearest whole number and to one decimal place</i> (copied from Fractions)	<i>solve problems which require answers to be rounded to specified degrees of accuracy</i> (copied from Fractions)

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PROBLEM SOLVING						
		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
Language						
one, two, three – up to twenty. number count – up, down, from, on more, less, many, few, small, smaller equal to, the same as digit compare order size	numbers to twenty count on count back zero more less greater than less than equal to / the same as more than less than one more/one less number bonds part, whole partition/break apart	numbers to 100 2 digit number tens and ones tens and once place place value value of digit stands for represents < > greatest and smallest break apart/partition representations pattern double half systematically	numbers to 1000 hundreds number sequence 3 digit number place value holder hundreds place	numbers to 10000 thousands 4 digit numbers thousands place __<__< rounding to the nearest approximately equal to estimate	numbers to 1,000,000 ten thousands hundred thousands ascending descending	numbers to 10,000,000 millions