

COUNTING

Foundation Stage 1	Foundation Stage 2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>Uses some number names</p> <p>Recites numbers to 10 in order</p> <p>Knows that numbers identify how many objects are in a set</p> <p>Realise that not only objects, but anything can be counting, including steps, claps or jumps</p> <p>Recognise numerals 1 to 5 and some numbers of personal significance</p> <p>Count up to 4 objects, saying correct number names</p> <p>Separate a group of 3 or 4 objects in different ways, beginning to recognise that the total is still</p>	<p>Count reliably from 1 to 20</p> <p>Place numbers to 20 in order</p> <p>Say 1 more or 1 less than a given number</p>	<p>Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</p> <p>Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens</p> <p>Given a number, identify one more and one less</p>	<p>Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward</p>	<p>Count from 0 in multiples of 4, 8, 50 and 100;</p> <p>Find 10 or 100 more or less than a given number</p>	<p>Count backwards through zero to include negative numbers</p> <p>Count in multiples of 6, 7, 9, 25 and 1000</p> <p>Find 1000 more or less than a given number</p>	<p>Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero</p> <p>Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000</p>	<p>Use negative numbers in context, and calculate intervals across zero</p>

COMPARING NUMBERS

Compare 2 groups of objects, saying when they have the same number	Use language of 'more' and 'fewer' to compare two sets of objects	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 1 000	Order and compare numbers beyond 1 000 Compare numbers with the same number of decimal places up to two decimal places (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 (Reading and Writing Numbers)
--	---	--	--	---------------------------------------	--	--	--

IDENTIFYING, REPRESENTING AND ESTIMATING NUMBERS

Beginning to represent numbers using fingers Show an interest in representing numbers	Show an interest in representing numbers	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		
--	--	--	---	--	--	--	--

READING AND WRITING NUMBERS (INCLUDING ROMAN NUMERALS)

		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	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.	Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit Read Roman numerals to 1 000 (M) and recognise years written in Roman	Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit
--	--	--	---	---	---	---	---

						numerals.	
UNDERSTANDING PLACE VALUE							
<p>Marks on paper, or pictures Sometimes matches numeral and quantity correctly</p> <p>Show interest in numerals in the environment</p>	Record using marks they can interpret and explain	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>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 (Fractions)</p>	<p>Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (Reading and writing numbers)</p> <p>recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents (Fractions)</p>	<p>Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (Reading and writing numbers)</p> <p>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 (Fractions)</p>	
ROUNDING							
	<p>Estimate how many objects they can see and And check by counting them</p>				<p>Round any number to the nearest 10, 100 or 1 000</p> <p>Round decimals with one decimal place to the nearest whole number (Fractions)</p>	<p>Round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000</p> <p>Round decimals with two decimal places to the nearest whole number and to one decimal</p>	<p>Round any whole number to a required degree of accuracy</p> <p>Solve problems which require answers to be rounded to specified degrees of accuracy</p>

						place (Fractions)	(Fractions)
PROBLEM SOLVING							
Show curiosity about numbers by offering comments or asking questions	Solve problems including doubling, halving and sharing	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	Use place value and number facts to solve problems