



Progression of Skills

Number: Number and Place Value

COUNTING						
EYFS (40-60+ months)	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>counts up to three or four objects by saying one number name for each item.</p> <p>counts actions or objects which cannot be moved.</p> <p>counts objects to 10, and beginning to count beyond 10.</p> <p>counts out up to six objects from a larger group.</p> <p>counts an irregular arrangement of up to ten objects.</p> <p>finds the total number of items in two groups by counting all of them.</p>	<p>count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</p>			<p>count backwards through zero to include negative numbers</p>	<p>interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero</p>	<p>use negative numbers in context, and calculate intervals across zero</p>
	<p>count, read and write 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 or backward</p>	<p>count from 0 in multiples of 4, 8, 50 and 100;</p>	<p>count in multiples of 6, 7, 9, 25 and 1000</p>	<p>count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000</p>	
	<p>given a number, identify one more and one less</p>		<p>find 10 or 100 more or less than a given number</p>	<p>find 1000 more or less than a given number</p>		
COMPARING NUMBERS						
<p>uses the language of 'more' and 'fewer' to compare two sets of objects.</p> <p>says the number that is one more than a given number.</p> <p>finds one more or one less from a group of up to five objects, then ten objects.</p>	<p>use the language of: equal to, more than, less than (fewer), most, least</p>	<p>compare and order numbers from 0 up to 100; use <, > and = signs</p>	<p>compare and order numbers up to 1000</p>	<p>order and compare numbers beyond 1000</p> <p><i>compare numbers with the same number of decimal places up to two decimal places (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>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>



Progression of Skills

Number: Number and Place Value

IDENTIFYING, REPRESENTING AND ESTIMATING NUMBERS						
EYFS (40-60+ months)	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
recognise some numerals of personal significance. recognises numerals 1 to 5. selects the correct numeral to represent 1 to 5, then 1 to 10 objects. estimates how many objects they can see and checks by counting them	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		



Progression of Skills

Number: Number and Place Value

READING AND WRITING NUMBERS (including Roman Numerals)

EYFS (40-60+ months)	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>recognise some numerals of personal significance.</p> <p>recognises numerals 1 to 5. Records, using marks that they can interpret and explain.</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>
			<p><i>tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks</i> (copied from Measurement)</p>			

UNDERSTANDING PLACE VALUE

		<p>recognise the place value of each digit in a two-digit number (tens, ones)</p>	<p>recognise the place value of each digit in a three-digit number (hundreds, tens, ones)</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 (appears also in Reading and Writing Numbers)</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>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)</p>	<p><i>recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents</i> (copied from Fractions)</p>	<p><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)</p>



Progression of Skills

Number: Number and Place Value

ROUNDING						
EYFS (40-60+ months)	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)
PROBLEM SOLVING						
begins to identify own mathematical problems based on own interests and fascinations.		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

EYFS

Early Learning Goal – Number

Children count reliably with numbers from one to 20, place them in order and say which number is one more or one less than a given number. Using quantities and objects, they add and subtract two single-digit numbers and count on or back to find the answer. They solve problems, including doubling, halving and sharing.