



# Number: Number and Place Value

COUNTING						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Count objects up to and beyond 10.  Counts an irregular arrangement of up to 10 objects (subitising) <b>WRH &amp; Numberblocks</b>	count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number <b>Unit 1 &amp; 6 Book 1A</b> <b>Unit 9 Book 1B</b> <b>Unit 16 Book 1C</b>			count backwards through zero to include negative numbers <b>Unit 2 Book 4A</b>	interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero <b>Unit 2 Book 5A</b>	use negative numbers in context, and calculate intervals across zero <b>Unit 1 Book 6A</b>
Count with numbers from 1 to 20, place in order <b>WRH &amp; Numberblocks</b> <i>***NB: Many children love to explore larger numbers during their play and this should be encouraged and celebrated.***</i>	Count numbers to 100 in numerals; count in multiples of twos, fives and tens <b>Unit 9 Book 1B</b> <b>Unit 12 Book 1C</b>	count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward <b>Unit 1 Book 2A</b>	count from 0 in multiples of 4, 8, 50 and 100; <b>Unit 1 &amp; 4 Book 3A</b>	count in multiples of 6, 7, 9, 25 and 1000 <b>Unit 1, 2 &amp; 5 Book 4A</b>	count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 <b>Unit 2 Book 5A</b>	
COMPARING NUMBERS						
Use the language of more and fewer	given a number, identify one more and		find 10 or 100 more or less than a given	find 1000 more or less than a given number		



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to compare two sets of objects  Say the number one more than a given number  Finds one more or less from a group of up to 10 objects	one less <b>Unit 1 &amp; 6 Book 1A</b>		number <b>Unit 1 Book 3A</b>	<b>Unit 2 Book 4A</b>		
	use the language of: equal to, more than, less than (fewer), most, least <b>Unit 1 &amp; 6 Book 1A</b> <b>Unit 9 Book 1B</b> <b>Unit 16 Book 1C</b>	compare and order numbers from 0 up to 100; use <, > and = signs <b>Unit 1 Book 2A</b>	compare and order numbers up to 1000 <b>Unit 1 Book 3A</b>	order and compare numbers beyond 1000 <b>Unit 2 Book 4A</b> <i>compare numbers with the same number of decimal places up to two decimal places</i> (copied from Fractions) <b>Unit 11 Book 4C</b>	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) <b>Unit 2 Book 5A</b>	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>Unit 1 Book 6A</b>
<b>IDENTIFYING, REPRESENTING AND ESTIMATING NUMBERS</b>						
Recognise some numerals of personal significance Recognise numerals 1 to 20. Represent the correct numeral for 1 to 10 objects. <b>WRH &amp; Numberblocks</b>	identify and represent numbers using objects and pictorial representations including the number line <b>Unit 1 &amp; 6 Book 1A</b> <b>Unit 9 Book 1B</b> <b>Unit 16 Book 1C</b>	identify, represent and estimate numbers using different representations, including the number line ] <b>Unit 1 &amp; 2 Book 2A</b> <b>Unit 12 Book 2C</b>	identify, represent and estimate numbers using different representations <b>Unit 1 Book 3A</b>	identify, represent and estimate numbers using different representations <b>Unit 2 &amp; 3 Book 4A</b>		



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READING AND WRITING NUMBERS (including Roman Numerals)						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Record numbers using marks they can interpret and explain	read and write numbers from 1 to 20 in numerals and words. read and write numbers to 100 in numerals; <b>Unit 1 &amp; 6 Book 1A</b> <b>Unit 9 Book 1B</b> <b>Unit 16 Book 1C</b>	read and write numbers to at least 100 in numerals and in words <b>Unit 1 Book 2A</b>	read and write numbers up to 1000 in numerals and in words <b>Unit 1 Book 3A</b>	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. <b>Unit 1 Book 4A</b>	read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Comparing Numbers) <b>Unit 2 Book 5A</b>	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Understanding Place Value) <b>Unit 1 Book 6A</b>
			<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)		read Roman numerals to 1000 (M) and recognise years written in Roman numerals. <b>Unit 1 Book 5A</b>	
UNDERSTANDING PLACE VALUE						
		recognise the place value of each digit in a two-digit number (tens, ones) <b>Unit 1, 2 &amp; 3 Book 2A</b>	recognise the place value of each digit in a three-digit number (hundreds, tens, ones) <b>Unit 1 Book 3A</b>	recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) <b>Unit 1 Book 4A</b>	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) <b>Unit 2 Book 5A</b> <i>recognise and use thousandths and relate</i>	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>Unit 1 Book 6A</b>



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				<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</p> <p><b>Unit 10 Book 4B</b> (copied from Fractions)</p>	<p>them to tenths, hundredths and decimal equivalents</p> <p>(copied from Fractions)</p> <p><b>Unit 11 Book 5B</b></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 (copied from Fractions)</p> <p><b>Unit 7 Book 6B</b></p>
ROUNDING						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				<p>round any number to the nearest 10, 100 or 1000</p> <p><b>Unit 1 &amp; 2 Book 4A</b></p>	<p>round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000</p> <p><b>Unit 1 &amp; 2 Book 5A</b></p>	<p>round any whole number to a required degree of accuracy</p> <p><b>Unit 1 Book 6A</b></p>
				<p>round decimals with one decimal place to the nearest whole number</p> <p>(copied from Fractions)</p>	<p>round decimals with two decimal places to the nearest whole number and to one decimal place</p> <p>(copied from Fractions)</p> <p><b>Unit 11 Book 5B</b></p>	<p>solve problems which require answers to be rounded to specified degrees of accuracy</p> <p>(copied from Fractions)</p> <p><b>Maths Ninja</b></p>
PROBLEM SOLVING						
		<p>use place value and number facts to solve problems</p> <p><b>Unit 3 Book 2A</b> <b>Unit 12 Book 2C</b></p>	<p>solve number problems and practical problems involving these ideas.</p> <p><b>Unit 1 Book 3A</b></p>	<p>solve number and practical problems that involve all of the above and with increasingly large positive numbers</p> <p><b>Unit 1 &amp; 2 Book 4A</b></p>	<p>solve number problems and practical problems that involve all of the above</p> <p><b>Unit 1 &amp; 2 Book 5A</b></p>	<p>solve number and practical problems that involve all of the above</p> <p><b>Unit 1 &amp; 7 Book 6A</b></p>