

Number: Number and Place Value

COUNTING					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number <i>Autumn 1 Spring 1 & 3 Summer 4</i>			count backwards through zero to include negative numbers <i>Autumn 1 & 4</i>	interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero <i>Autumn 1, Summer 4</i>	use negative numbers in context, and calculate intervals across zero <i>Autumn 1</i>
count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens <i>Autumn 1 Spring 1 & 3, Summer 4</i>	count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward <i>Autumn 1</i>	count from 0 in multiples of 4, 8, 50 and 100; <i>Autumn 1 & 3</i>	count in multiples of 6, 7, 9, 25 and 1000 <i>Autumn 1 & 4</i>	count forwards or backwards in steps of powers of 10 for any given number up to 1000 000 <i>Autumn 1 Summer 4</i>	
given a number, identify one more and one less <i>Autumn 1 Spring 1 & 3 & Summer 4</i>		find 10 or 100 more or less than a given number <i>Autumn 1 & 3</i>	find 1000 more or less than a given number <i>Autumn 1</i>		
COMPARING NUMBERS					
use the language of: equal to, more than, less than (fewer), most, least <i>Autumn 1 Spring 1 & 3 Summer 4</i>	compare and order numbers from 0 up to 100; use <, > and = signs <i>Autumn 1</i>	compare and order numbers up to 1000 <i>Autumn 1</i>	order and compare numbers beyond 1000 <i>Autumn 1</i>	read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (also in Reading & Writing Numbers) <i>Autumn 1</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) <i>Autumn 1</i>
			<i>compare numbers with the same number of decimal places up to two decimal places (from Fractions)</i>		
IDENTIFYING, REPRESENTING AND ESTIMATING NUMBERS					
identify and represent numbers using objects and pictorial representations including the number line <i>Autumn 1 Spring 1 & 3 & Summer 4</i>	identify, represent and estimate numbers using different representations, including the number line <i>Autumn 1</i>	identify, represent and estimate numbers using different representations <i>Autumn 1</i>	identify, represent and estimate numbers using different representations <i>Autumn 1</i>		

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READING AND WRITING NUMBERS (including Roman Numerals)					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
read and write numbers from 1 to 20 in numerals and words. <i>Autumn 1</i> <i>Spring 1 & 3</i> <i>Summer 4</i>	read and write numbers to at least 100 in numerals and in words <i>Autumn 1</i>	read and write numbers up to 1000 in numerals and in words <i>Autumn 1</i>	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. <i>Autumn 1</i>	read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Comparing Numbers) <i>Autumn 1</i>	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Understanding Place Value) <i>Autumn 1</i>
		<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. <i>Autumn 1</i>	
UNDERSTANDING PLACE VALUE					
	recognise the place value of each digit in a two-digit number (tens, ones) <i>Autumn 1</i>	recognise the place value of each digit in a three-digit number (hundreds, tens, ones) <i>Autumn 1</i>	recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) <i>Autumn 1</i>	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) <i>Autumn 1</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) <i>Autumn 1</i>
			<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)

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ROUNDING					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			round any number to the nearest 10, 100 or 1 000 Autumn 1	round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000 Autumn 1	round any whole number to a required degree of accuracy Autumn 1
			<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					
	use place value and number facts to solve problems Autumn 1	solve number problems and practical problems involving these ideas. Autumn 1	solve number and practical problems that involve all of the above and with increasingly large positive numbers Autumn 1	solve number problems and practical problems that involve all of the above Autumn 1	solve number and practical problems that involve all of the above Autumn 1
				interpret negative numbers in context Autumn 1	use negative numbers in context, and calculate intervals across zero Autumn 1