



Number: Number and Place Value

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



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READING AND WRITING NUMBERS (including Roman Numerals)					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Know how to read and write numbers from 1 to 20 in numerals and words.	Know how to read and write numbers to at least 100 in numerals and in words	Know how to read and write numbers up to 1000 in numerals and in words	Know how to 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.	Know how to read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Comparing Numbers)	Know how to 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>tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks (copied from Measurement)</i>		Know how to read Roman numerals to 1000 (M) and recognise years written in Roman numerals.	
UNDERSTANDING PLACE VALUE					
	Know the place value of each digit in a two-digit number (tens, ones)	Know the place value of each digit in a three-digit number (hundreds, tens, ones)	Know the place value of each digit in a five-digit number (thousands, hundreds, tens, and ones)	Know how to 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)	Know how to 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 (copied from Fractions)</i>		



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ROUNDING					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			Know how to round any number to the nearest 10, 100 or 1000	Know how to round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000	Know how to 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					
	Know how to use place value and number facts to solve problems	Know how to solve number problems and practical problems involving these ideas.	Know how to solve number and practical problems that involve all of the above and with increasingly large positive numbers	Know how to solve number problems and practical problems that involve all of the above	Know how to solve number and practical problems that involve all of the above