PLACE VALUE
COUNTING

Early Learning Goal		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
Nursery	Reception							
May enjoy counting verbally as far as they can go. Points or touches (tags) each item, saying one number for each item, using the stable order of 1,2,3,4,5 Uses some number names and number language within play, and may show fascination with large numbers.		count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number			count backwards through zero to include negative numbers	count forwards and backwards with positive and negative whole numbers, including through zero	use negative numbers in context, and calculate intervals across zero (also appears in problem solving)	use the four operations, including formal written methods, applied to integers and decimals; multiply proper and improper fractions, and mixed numbers, all both positive and negative use conventional notation for the priority of operations, including brackets recognise and use relationships between the operations +, −, ×, ÷, including inverse operations

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Number ELG: 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.								
		count with numbers to 100 in numerals; count in multiples of twos, fives and tens	count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward	count from 0 in multiples of 4, 8, 50 and 100;	count in multiples of 6, 7, 9, 25 and 1 000	count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000		
		given a number, identify one more and one less		find 10 or 100 more or less than a given number	find 1 000 more or less than a given number			
COMPARING NUMBERS								
Early Learning Goal		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
		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*	read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit	

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					places up to two decimal places (copied from Fractions)	(appears also in Reading and Writing Numbers)	(appears also in Reading and Writing Numbers)	
IDENTIFYING, REPRESENTING AND ESTIMATING 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)								
Number ELG: 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.		read and write numbers to 100 in 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 *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)	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 (appears also in Comparing Numbers/Understanding Place Value) read Roman numerals to 1 000 (M) and recognise years written in Roman numerals.	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Understanding Place Value)	
UNDERSTANDING PLACE VALUE								

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Early Learning Goal		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
		given a number, identify one more and one less	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)	recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) Find 1000 more or 1000 less than a given number (also appears in counting)	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/Comparing)	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/Comparing)	
					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)	*recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents* (copied from Fractions)	*identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1 000 where the answers are up to three decimal places* (copied from Fractions)	
ROUNDING								
					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	use approximation, through rounding to the nearest whole number or to one decimal place, to estimate answers
					round decimals with one decimal place to the nearest whole number (copied from Fractions)	*round decimals with two decimal places to the nearest whole number and to one decimal place* (copied from Fractions)	*solve problems which require answers to be rounded to specified degrees of accuracy* (copied from Fractions)	round numbers and measures to an appropriate

							degree of accuracy, for example to the nearest whole number or to one decimal place round numbers and measures to different degrees of accuracy, for example to the nearest whole number or to one decimal place
PROBLEM SOLVING							
Early Learning Goal		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
			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	interpret negative numbers in context, solve number problems and practical problems that involve all of the above	use negative numbers in context, solve number and practical problems that involve all of the above	

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