Number: Number and Place Value

	COUNTING	

Nursery		Reception
say number names **Autumn** give a number of objects **Spring** say numbers in order to 10 **Spring** count irregular arrangements to 10 **Summer**		count objects, actions and sounds on a frame **Autumn** count to 5 backwards and forwards **Autumn** count to 10 backwards and forwards **Spring** count on and back beyond 10 starting from different points **Summer** place sequences of number in order **Summer**

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6

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count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens given a number, identify one more and one less	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; find 10 or 100 more or less than a given number	count backwards through zero to include negative numbers count in multiples of 6, 7, 9, 25 and 1 000 find 1 000 more or less than a given number	interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000	use negative numbers in context, and calculate intervals across zero

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COMPARING NUMBERS					
Nursery able to compare two groups identifying when there is the same number **Autumn** match numbers to objects **Spring**			**Reception** match and sort objects **Autumn** compare amounts **Autumn** compare 1, 2 and 3 **Autumn** compare numbers to 5 **Autumn** compare numbers to 8 **Spring** compare numbers (two and three quantities) up to 10 **Spring**		
Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
use the language of: equal to, more than, less than (fewer), most, least **Autumn and Spring**	compare and order numbers from 0 up to 100; use <, > and = signs **Autumn and Spring**	compare and order numbers up to 1 000 **Autumn**	order and compare numbers beyond 1 000 *compare numbers with the same number of*	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 (appears

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			decimal places up to two decimal places (copied from Fractions) **Spring**	(appears also in Reading and Writing Numbers) **Autumn**	also in Reading and Writing Numbers) **Autumn**

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IDENTIFYING, REPRESENTING AND ESTIMATING NUMBERS	
Nursery	Reception
give a number of objects **Autumn** represent numbers using fingers and marks on paper/pictures **Spring** **recognise numbers to 5 Summer count objects and actions up to 10 Summer represent numbers to 10 Summer**	subitise and represent number 1, 2, 3 and 5 **Autumn** understand the composition of numbers 1, 2 and 3 **Autumn** know what zero is **Spring** understand of the composition of 4 and 5 **Spring** represent numbers to 5 **Spring** understand the composition of 6, 7, 8, 9 and 10 **Spring** represent numbers to 8 **Spring** subitise numbers to 10 **Spring** arrange numbers up to 10 into smaller groups **Spring** represent numbers to 10 (and beyond 20) **Summer** represent number stories using ten frames **Summer** identify numbers to and beyond 20 **Summer**

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6

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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		

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			Reception		
			read and write numbers to 5 **Autumn** read and write numbers to 10 **Spring** read and write numbers beyond 10 **Summer**		
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
read and write numbers from 1 to 20 in numerals and words read and write numbers to 100	read and write numbers to at least 100 in numerals and in words	read and write numbers up to 1000 in numerals and in words		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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		tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	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 Roman numerals to 1 000 (M) and recognise years written in Roman numerals.

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		UNDERSTANDING PLACE VALUE			
	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 the effect of dividing a one- or twodigit number by 10 and 100, identifying the value of the digits in the answer as units, tenths and hundredths*	read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit *recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents*	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit *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*

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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 to1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000	round any whole number to a required degree of accuracy
			round decimals with one decimal place to the nearest whole number	*round decimals with two decimal places to the nearest whole number and to one decimal place*	*solve problems which require answers to be rounded to specified degrees of accuracy*

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Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	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