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 T1 U1 T2 U9 T3 U16			count backwards through zero to include negative numbers T1 U2	interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero T1 U2	use negative numbers in context, and calculate intervals across zero T1 U1
count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens T1 U1 Y2 U9 T3 U12, U16 & U18	count in multiples of 2s, 5s and 10s **Y1** T1 U1 count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward T1 U1	count from 0 in multiples of 4, 8, 50 and 100; T1 U1	count in multiples of 6, 7, 9, 25 and 1000 T1 U1 &U2	count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 T1 U1	
given a number, identify one more and one less T1 U1 & U6 T2 U9 T3 U16	Non-statutory guidelines: Pupils should count in fractions up to 10, stating from any number.	find 10 or 100 more or less than a given number T1 U1	find 1000 more or less than a given number T1 U1 & U2		
COMPARING NUMBERS					
use the language of: equal to, more than, less than (fewer), most, least T1 U1 T2 U9 compare and order numbers from 0 up to	compare and order numbers from 0 up to 100; use <, > and = signs T1 U1	compare and order numbers up to 1000 T1 U1	order and compare numbers beyond 1000 T1 U1 & U2 *compare numbers with the same number of decimal places up to two decimal places* (copied from Fractions)	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) T1 U1 &U2	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) T1 U1

100; use <, > and = signs **Y2** T2 U6 &U9 T3 U16			T3 U11		
IDENTIFYING, REPRESENTING AND ESTIMATING NUMBERS					
identify and represent numbers using objects and pictorial representations including the number line T1 U1 & U6 T2 U9 T3 U16	identify, represent and estimate numbers using different representations, including the number line T1 U1	identify, represent and estimate numbers using different representations T1 U1	identify, represent and estimate numbers using different representations T1 U1 & U2		

TRIBAL

IOE LONDON — Leading education and social research — Institute of Education University of London

MEI — Innovators in Mathematics Education

Science Learning Centres — NATIONAL STEM CENTRE — myscience

Number: Number and Place Value

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. **T1 U1**	read and write numbers to at least 100 in numerals and in words **T1 U1**	read and write numbers up to 1000 in numerals and in words **T1 U1**		read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Comparing Numbers) **T1 U1 & U2**	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Understanding Place Value) **T1 U1**
		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) **T3 U11**	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. **T1 U1**	read Roman numerals to 1000 (M) and recognise years written in Roman numerals. **T1 U1**	
UNDERSTANDING PLACE VALUE					
recognise the place value of each digit in a two-digit number (tens, ones) **y2** **T1 U6** recognise the place value of each digit in a two-digit number (tens, ones) **y2** **T2 U9** **T3 U16**	recognise the place value of each digit in a two-digit number (tens, ones) **T1 U1**	recognise the place value of each digit in a three-digit number (hundreds, tens, ones) **T1 U1**	recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) **T1 U1**	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) **T1 U1**	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) **T1 U1**
			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	*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 1000 where the answers are up to three decimal places*

			(copied from Fractions) T2 U10 T3 U11	T2 U11 T3 U12	(copied from Fractions) T2 U7

Number: Number and Place Value

ROUNDING					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			round any number to the nearest 10, 100 or 1 000 T1 U1 & U2	round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000 T1 U1, U2 & U3	round any whole number to a required degree of accuracy T1 U1
			round decimals with one decimal place to the nearest whole number *(copied from Fractions)* T3 U11	*round decimals with two decimal places to the nearest whole number and to one decimal place* *(copied from Fractions)* T2 U11	*solve problems which require answers to be rounded to specified degrees of accuracy* *(copied from Fractions)* T2 U7& U8
PROBLEM SOLVING					
	use place value and number facts to solve problems T3 U12	solve number problems and practical problems involving these ideas. T1 U1	solve number and practical problems that involve all of the above and with increasingly large positive numbers T1 U2	solve number problems and practical problems that involve all of the above T1 U1 & U2	solve number and practical problems that involve all of the above T1 U1 T3 U14

T1- Autumn term

T2- Spring term

T3- Summer term