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Mathematics: Year 1
Number and Place Value

Previously, I have learnt...

- To have a deep understanding of number to 10
- To subitise (recognise quantities without counting) up to 5
- To verbally count beyond 20
- To compare quantities up to 10
- To begin to represent patterns within numbers to 10, including evens and odds

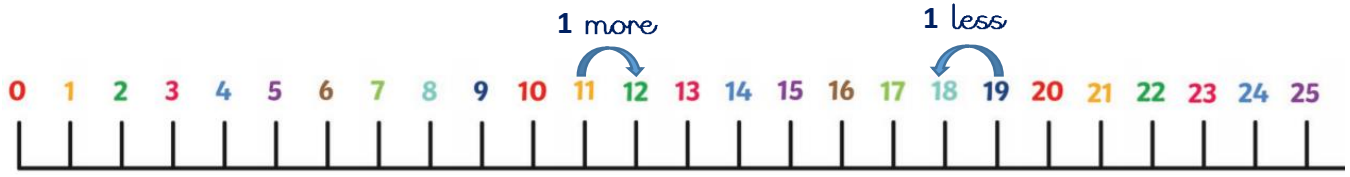
1	one	6	six	11	eleven	16	sixteen
2	two	7	seven	12	twelve	17	seventeen
3	three	8	eight	13	thirteen	18	eighteen
4	four	9	nine	14	fourteen	19	nineteen
5	five	10	ten	15	fifteen	20	twenty

In Year 1, I am learning...

Counting
- To count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- To count in multiples of twos, fives and tens
- To identify one more and one less than a given number

Reading and writing numbers
- To read and write numbers to 100 in numerals
- To read and write numbers from 1 to 20 in numerals and words

Comparing numbers
- To use the language of: equal to, more than, less than (fewer), most, least



Vocabulary

number	odd, even	compare
count	ones	order
more than, less than	tens	value
equal to, the same as	digit	between
most, least	greater	numeral
few, fewer, fewest	lesser	figure

In Year 2, I will learn...

Counting
- To count in steps of 2, 3, and 5 from zero
- To count in tens from any number, forwards or backwards

Reading and writing numbers
- To read and write numbers to at least 100 in numerals and words

Comparing numbers
- To compare and order numbers from 0 up to 100
- To use the signs: <, > and =

Understanding place value
- To recognise the place value of each digit in a two-digit number (tens and ones)

Alan Turing

My future...

In other subjects
Science – understanding data
DT – taking measurements
PE – keeping score, measuring, angles
Geography – coordinates, maps
Computing – databases, coding

Life Skills
Shopping and budgeting
Critical thinking
Playing sport
Map reading
Interpreting statistics
Working with computers

Jobs
Shop worker
Bank cashier
Architect
Doctor
Nurse
Teacher
Computer programmer
and many more!

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Mathematics: Year 2
Number and Place Value

In Year 1, I learnt...

Counting
- To count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- To count in multiples of twos, fives and tens
- To identify one more and one less than a given number

Reading and writing numbers
- To read and write numbers to 100 in numerals
- To read and write numbers from 1 to 20 in numerals and words

Comparing numbers
- To use the language of: equal to, more than, less than (fewer), most, least

In Year 2, I am learning...

Counting
- To count in steps of 2, 3, and 5 from zero
- To count in tens from any number, forwards or backwards

Reading and writing numbers
- To read and write numbers to at least 100 in numerals and words

Comparing numbers
- To compare and order numbers from 0 up to 100
- To use the signs: <, > and =

Understanding place value
- To recognise the place value of each digit in a two-digit number (tens and ones)

In Year 3, I will learn...

Counting
- To count in multiples of 4, 8, 50 and 100 from zero
- To find 10 or 100 more or less than a given number

Reading and writing numbers
- To read and write numbers up to 1,000 in numerals and words
- To read Roman numerals from 1 to 12 (I to XII) - to help with telling the time on an analogue clock

Comparing numbers
- To compare and order numbers up to 1,000

Understanding place value
- To recognise the place value of each digit in a three-digit number (hundreds, tens and ones)

My future...

In other subjects
Science – understanding data
DT – taking measurements
PE – keeping score, measuring, angles
Geography – coordinates, maps
Computing – databases, coding

Life Skills
Shopping and budgeting
Critical thinking
Playing sport
Map reading
Interpreting statistics
Working with computers

Jobs
Shop worker
Bank cashier
Architect
Doctor
Nurse
Teacher
Computer programmer
and many more!

Vocabulary

number
count
more than, less than
equal to, the same as
most, least
few, fewer, fewest
odd, even

ones
tens
hundreds
greater than >
less than <
compare
order
value

digit
between
numeral
figure
partition
recombine
exchange

Ada Lovelace

Windmill L.E.A.D Academy
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Mathematics: Year 3
Number and Place Value

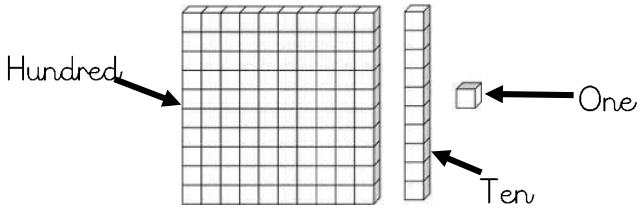
In Year 2, I learnt...

Counting
- To count in steps of 2, 3, and 5 from zero
- To count in tens from any number, forwards or backwards

Reading and writing numbers
- To read and write numbers to at least 100 in numerals and words

Comparing numbers
- To compare and order numbers from 0 up to 100
- To use the signs: <, > and =

Understanding place value
- To recognise the place value of each digit in a two-digit number (tens and ones)



In Year 3, I am learning...

Counting
- To count in multiples of 4, 8, 50 and 100 from zero
- To find 10 or 100 more or less than a given number

Reading and writing numbers
- To read and write numbers up to 1,000 in numerals and words
- To read Roman numerals from I to 12 (I to XII) - *to help with telling the time on an analogue clock*

Comparing numbers
- To compare and order numbers up to 1,000

Understanding place value
- To recognise the place value of each digit in a three-digit number (hundreds, tens and ones)

H	T	O

Vocabulary

number
count
more than, less than
equal to, the same as
most, least
few, fewer, fewest
odd, even
relationship

ones
tens
hundreds
thousands
greater than >
less than <
compare
order
value

digit
between
numeral
figure
partition
recombine
exchange
Roman numerals

In Year 4, I will learn...

Counting
- To count backwards through zero to include negative numbers
- To find 1,000 more or less than a given number

Reading and writing numbers
- To read and write numbers up to 1,000 in numerals and words
- To read Roman numerals from I to 12 (I to XII) - to help with telling the time on an analogue clock

Comparing numbers
- To compare and order numbers beyond 1,000
- To compare numbers with the same number of decimal places (up to two decimal places)

Understanding place value
- To recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones)
- To recognise the value of decimal numbers with up to two decimal places (tenths and hundredths)
- To understand the effect on the place value of the digits in a number of dividing a one- or two-digit number by 10 and 100

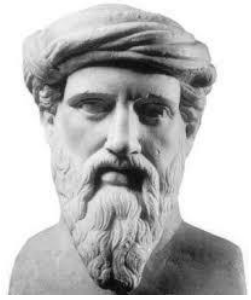
Rounding
- To round any number to the nearest 10, 100 or 1,000
- To round decimals with one decimal place to the nearest whole number

My future...

In other subjects
Science – understanding data
DT – taking measurements
PE – keeping score, measuring, angles
Geography – coordinates, maps
Computing – databases, coding

Life Skills
Shopping and budgeting
Critical thinking
Playing sport
Map reading
Interpreting statistics
Working with computers

Jobs
Shop worker
Bank cashier
Architect
Doctor
Nurse
Teacher
Computer programmer
and many more!



Pythagoras

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Mathematics: Year 4
Number and Place Value

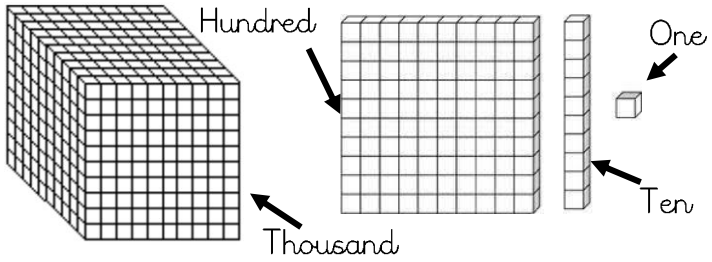
In Year 3, I learnt...

Counting
- To count in multiples of 4, 8, 50 and 100 from zero
- To find 10 or 100 more or less than a given number

Reading and writing numbers
- To read and write numbers up to 1,000 in numerals and words
- To read Roman numerals from I to 12 (I to XII) - *to help with telling the time on an analogue clock*

Comparing numbers
- To compare and order numbers up to 1,000

Understanding place value
- To recognise the place value of each digit in a three-digit number (hundreds, tens and ones)



In Year 4, I am learning...

Counting
- To count backwards through zero to include negative numbers
- To find 1,000 more or less than a given number

Reading and writing numbers
- To read and write numbers up to 1,000 in numerals and words
- To read Roman numerals from I to 12 (I to XII)

Comparing numbers
- To compare and order numbers beyond 1,000
- To compare numbers with the same number of decimal places (up to two decimal places)

Understanding place value
- To recognise the place value of **thousands, hundreds, tens and ones.**
- To recognise the value of decimal numbers with up to two decimal places (tenths and hundredths)
- To understand the effect on the place value of the digits in a number of dividing a one- or two-digit number by 10 and 100

Rounding
- To round any number to the nearest 10, 100 or 1,000
- To round decimals with one decimal place to the nearest whole number

In Year 5, I will learn...

Counting
- To count forwards and backwards with positive and negative numbers including through zero
- To count forwards and backwards in steps of powers of 10 for any given number up to 1,000,000

Reading and writing numbers
- To read and write numbers to at least 1,000,000 in numerals and words
- To read Roman numerals to 1,000 and recognise years written in Roman numerals

Comparing numbers
- To compare and order number to at least 1,000,000
- To compare and order numbers with up to three decimal places

Understanding place value
- To recognise the value of each digit in numbers to at least 1,000,000
- To recognise the value of digits in decimal numbers with up to three decimal places (tenths, hundredths and thousandths)

Rounding
- To round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 or 100,000
- To round decimals with two decimal places to the nearest whole number and to one decimal place

Th	H	T	O

My future...

In other subjects
Science – understanding data
DT – taking measurements
PE – keeping score, measuring, angles
Geography – coordinates, maps
Computing – databases, coding

Life Skills
Shopping and budgeting
Critical thinking
Playing sport
Map reading
Interpreting statistics
Working with computers

Jobs
Shop worker
Bank cashier
Architect
Doctor
Nurse
Teacher
Computer programmer
and many more!

Rene Descartes

Vocabulary

number	relationship	greater than >	between	**decimal**
count	ones	less than <	numeral	**tenths**
more than, less than	tens	compare	figure	**hundredths**
equal to, the same as	hundreds	order	partition	**integer**
most, least	thousands	value	recombine	**positive**
few, fewer, fewest	**ten thousands**	digit	exchange	**negative**
odd, even	**hundred thousands**	**round (to the nearest)**	Roman numerals	**above/below zero**

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Mathematics: Year 5
Number and Place Value

In Year 4, I learnt...

Counting
- To count backwards through zero to include negative numbers
- To find 1,000 more or less than a given number

Reading and writing numbers
- To read and write numbers up to 1,000 in numerals and words
- To read Roman numerals from I to 12 (I to XII)

Comparing numbers
- To compare and order numbers beyond 1,000
- To compare numbers with the same number of decimal places (up to two decimal places)

Understanding place value
- To recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones)
- To recognise the value of decimal numbers with up to two decimal places (tenths and hundredths)
- To understand the effect on the place value of the digits in a number of dividing a one- or two-digit number by 10 and 100

Rounding
- To round any number to the nearest 10, 100 or 1,000
- To round decimals with one decimal place to the nearest whole number

In Year 5, I am learning...

Counting
- To count forwards and backwards with positive and negative numbers including through zero
- To count forwards and backwards in steps of powers of 10 for any given number up to 1,000,000

Reading and writing numbers
- To read and write numbers to at least 1,000,000 in numerals and words
- To read Roman numerals to 1,000 and recognise years written in Roman numerals

Comparing numbers
- To compare and order number to at least 1,000,000
- To compare and order numbers with up to three decimal places

Understanding place value
- To recognise the value of each digit in numbers to at least 1,000,000
- To recognise the value of digits in decimal numbers with up to three decimal places (tenths, hundredths and thousandths)

Rounding
- To round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 or 100,000
- To round decimals with two decimal places to the nearest whole number and to one decimal place

In Year 6, I will learn...

Counting
- To use negative numbers in context, and calculate intervals across zero

Reading and writing numbers
- To read and write numbers up to 10,000,000

Comparing numbers
- To compare and order number to at least 10,000,000

Understanding place value
- To recognise the value of each digit in numbers up to 10,000,000
- To recognise the value of digits in decimal numbers with up to three decimal places (tenths, hundredths and thousandths) and multiply and divide by 10, 100 and 1,000 where the answers are up to three decimal places

Rounding
- To round any whole number to a required degree of accuracy

M	HTh	TTh	Th	H	T	O

My future...

In other subjects
Science – understanding data
DT – taking measurements
PE – keeping score, measuring, angles
Geography – coordinates, maps
Computing – databases, coding

Life Skills
Shopping and budgeting
Critical thinking
Playing sport
Map reading
Interpreting statistics
Working with computers

Jobs
Shop worker
Bank cashier
Architect
Doctor
Nurse
Teacher
Computer programmer
and many more!

Katherine Johnson

Vocabulary

number	ones	relationship	round (to the nearest)	Roman numerals	positive
count	tens	greater than >	between	decimal	negative
more than, less than	hundreds	less than <	numeral	decimal places	above/below zero
equal to, the same as	thousands	compare	figure	tenths	**powers of 10**
most, least	ten thousands	order	partition	hundredths	**ascending**
few, fewer, fewest	hundred thousands	value	recombine	**thousandths**	**descending**
odd, even	**millions**	digit	exchange	integer	

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Mathematics: Year 6
Number and Place Value

In Year 5, I learnt...

Counting
- To count forwards and backwards with positive and negative numbers including through zero
- To count forwards and backwards in steps of powers of 10 for any given number up to 1,000,000

Reading and writing numbers
- To read and write numbers to at least 1,000,000 in numerals and words
- To read Roman numerals to 1,000 and recognise years written in Roman numerals

Comparing numbers
- To compare and order number to at least 1,000,000
- To compare and order numbers with up to three decimal places

Understanding place value
- To recognise the value of each digit in numbers to at least 1,000,000
- To recognise the value of digits in decimal numbers with up to three decimal places (tenths, hundredths and thousandths)

Rounding
- To round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 or 100,000
- To round decimals with two decimal places to the nearest whole number and to one decimal place

In Year 6, I am learning...

Counting
- To use negative numbers in context, and calculate intervals across zero

Reading and writing numbers
- To read and write numbers up to 10,000,000

Comparing numbers
- To compare and order number to at least 10,000,000

Understanding place value
- To recognise the value of each digit in numbers up to 10,000,000
- To recognise the value of digits in decimal numbers with up to three decimal places (tenths, hundredths and thousandths) and multiply and divide by 10, 100 and 1,000 where the answers are up to three decimal places

Rounding
- To round any whole number to a required degree of accuracy

M	HTh	TTh	Th	H	T	O	.	t	h	th

At Key Stage 3, I will learn...
- To understand and use place value for decimals, measures and integers of any size.
- To order positive and negative integers, decimals and fractions.
- To use the number line as a model for ordering of the real numbers
- To use symbols such as =, ≠, <, >, ≤, ≥
- To round number and measures to an appropriate degree of accuracy
- To use approximation through rounding to estimate answers
- To appreciate the infinite nature of the sets of integers, real and rational numbers

My future...

In other subjects
Science – understanding data
DT – taking measurements
PE – keeping score, measuring, angles
Geography – coordinates, maps
Computing – databases, coding

Life Skills
Shopping and budgeting
Critical thinking
Playing sport
Map reading
Interpreting statistics
Working with computers

Jobs
Shop worker
Bank cashier
Architect
Doctor
Nurse
Teacher
Computer programmer
and many more!

Vocabulary

number	ones	**ten millions**	compare	numeral	decimal	positive
count	tens	relationship	order	figure	decimal places	negative
more than, less than	hundreds	greater than >	value	partition	tenths	above/below zero
equal to, the same as	thousands	less than <	digit	recombine	hundredths	powers of 10
most, least	ten thousands	**digit total**	round (to the nearest)	exchange	thousandths	ascending
few, fewer, fewest	hundred thousands		between	Roman numerals	integer	descending
odd, even	millions					

Muhammad ibn Musa al-Khwarizmi