# Place Value

**Problem Solving**

## Reception

### Autumn
- I can recognise, order and write numerals to 5 and touch count 5 objects accurately
- I can recognise various representations of numbers up to 5
- I can compare identical and non-identical sets of objects
- I can compare the quantity within sets of objects
- I recognising which set has fewer

### Spring
- I can count, recognise, order and write all numbers up to 10
- I can recognise various representations of numbers up to 10
- I understand the value of 0.

### Summer
- I can count, recognise, order and write numbers up to 20 and say a number which is one more or one less

## Year 1

### Autumn
- I count to 20, forwards and backwards beginning with 0 or 1, or from any given number
- I can read and write numbers to 20 in numerals and words Given a number between 1 – 20, I can identify 1 more or 1 less

### Spring
- I count to 50, forwards and backwards beginning with 0 or 1, or from any given number
- I can read and write numbers to 50 in numerals Given a number between 1 – 50
- I can identify 1 more or 1 less I can count in multiples of 2, 5 and 10

### Summer
- I count to 100, forwards and backwards beginning with 0 or 1, or from any given number
- I can read and write numbers to 100 in numerals Given a number between 1 – 100, I can identify 1 more or 1 less

## Year 2

### Autumn
- I read and write numbers to at least 100 in numerals and words
- I recognise the place value of each digit in a 2- digit number
- I compare and order numbers from 0 to 100 using <, > and. =
- I can count in steps of 2, 5 and 10 from any number, forwards and backwards
- I can count in steps of 3 from 0

## Year 3

### Autumn
I count from 0 in multiples of 50 and 100. I can find 10 or 100 more, or less, than a given number
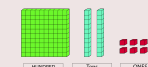I read and write numbers to 1,000 in numerals and words

## Year 4

### Autumn
- I count backwards through zero to include negative numbers
- I count in multiples of 25 and 1000 I compare and order numbers beyond 1000
- I round any number to the nearest 10, 100 or 1000

## Year 5

### Autumn
I read, write, order and compare numbers up to 10,000,000 and determine the value of each digit
I use negative numbers in context and calculate intervals across zero
I round any whole number to the required degree of accuracy
I solve number and practical problems that involve all other number and place value objectives

## Year 6

### Autumn
- I read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit
- I count forward or backwards in steps of powers of 10 for any given number up to 1,000,000
- I interpret negative numbers in context, count forwards and backwards with positive and negative numbers, including through zero
- I read Roman numerals to 1000 and recognise years written in Roman numerals
- I round any number up to 1,000,000 to the nearest 10, 100, 1000, 10000 or 100000

| thousands | hundreds | tens | ones |
|-----------|----------|------|------|
| 4 | 0 | 7 | 4 |
| 4,000 | 000 | 70 | 4 |

| HUNDRED | Tens | ONES |
|---------|------|------|

5,734.912