# Maths Autumn Term Years 3 and 4

## Place Value

Year 3

- Count from 0 in multiples of 50 and 100; find 10 or 100 more or less than a given number
- Recognise the place value of each digit in a three digit number
- Compare and order numbers up to 1000
- Identify, represent and estimate numbers using different representations
- Read and write numbers up to 1000 in numerals and in words
- Solve number problems involving these ideas

## Place Value

Year 4

- Count in multiples of 25 and 1000
- Find 1000 more or less than a given number
- Count backwards through zero to indicate negative numbers
- Recognise the place value of each digit in a four digit number
- Order and compare numbers beyond 1000
- Identify, represent and estimate numbers using different representations
- Round any number to the nearest 10, 100, 1000
- Solve number problems involving these ideas
- Read Roman Numerals to 100

## Addition and Subtraction

Year 3

- Add and subtract numbers mentally, including:
  - A 3 digit number and ones
  - A 3 digit number and tens
  - A 3 digit number and hundreds
- Add and subtract numbers with up to 3 digits using  the formal written methods of column addition and subtraction
- Estimate and use inverse operations to check answers
- Solve problems, including missing number problems, using number facts, place value and more complex addition and subtraction

## Addition and Subtraction

Year 4

- Add and subtract numbers with up to 4 digits using  the formal written methods of column addition and subtraction
- Estimate and use inverse operations to check answers
- Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why

## Multiplication and division

Year 3

- Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
- Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two digit numbers times one digit numbers, using mental and formal written methods
- Solve problems, including missing number problems, involving multiplication and division, scaling problems and correspondence problems in which *n* objects are connected to *m* objects

## Multiplication and division

Year 4

- Recall multiplication and division facts for multiplication tables up to 12 x 12
- Use place value, known facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers
- Recognise and use factor pairs
- Multiply two and three digit numbers by a one digit number using formal written methods
- Solve problems, including missing number problems, involving multiplication and division, scaling problems and correspondence problems in which *n* objects are connected to *m* objects