## Year 5 Maths Autumn

## Place Value

Roman Numerals to 1000, Read and write numbers to 1,000,000
10/100/1,000/10,000/100,000 more or less
Partition numbers to $1,000,000$, Compare and order numbers to $1,000,000$
Round to the nearest 10,100 or 1,000
Addition and Subtraction
Mental strategies, Add and subtract whole numbers with more than four digits
Round to check answers, Using inverse operations
Multi-step addition and subtraction problems
Comparing calculations, Finding missing numbers in calculations

## Multiplication and Division Unit B

Multiply up to a 4-digit number by a 1 and 2 digit number
Multiply a 2-digit, 3-digit and 4-digit number by a 2-digit number
Solve problems with multiplication
Divide a 4-digit number by a 1-digit number, Divide with remainders

## Fractions Unit B

Multiply a unit and non-unit fraction by an integer
Multiply a mixed number by an integer, Calculate a fraction of a quantity

## Decimals and Percentages

Equivalent fractions and decimals, Thousandths as fractions and decimals
Order and compare any decimals with up to 3 decimal places

## Multiplication and Division Unit A

Multiples, common multiples and factors. Prime, square and cube numbers
Multiply and divide by 10,100 and 1,000
Multiples of 10,100 and 1,000

## Fractions Unit A

Find fractions equivalent to a unit and non-unit fraction, Recognise equivalent fractions Convert improper fractions to mixed numbers and vice versa.
Compare and order fractions less than 1, Compare and order fractions greater than 1
Add and subtract fractions with the same denominator
Add and subtract two mixed numbers

## Spring

## Decimals and Percentages

Round to the nearest whole number, Round to 1 decimal place

## Perimeter and Area

Perimeter of rectangles and rectilinear shapes, Perimeter of polygons
Area of rectangles and compound shapes, Estimate area

## Statistics

Draw line graphs, Read and interpret line graphs
Read and interpret tables, Read and interpret timetables

## Summer

## Shape

Understand and use degrees, Classify and estimate angles
Measure angles up to 180, Draw lines and angles accurately
Calculate angles around a point and a straight line
Regular and irregular polygons, 3-D shapes
Position and Direction
Read and plot coordinates, Problem solving with coordinates
Translation, Lines of symmetry
Reflection in horizontal and vertical lines

## Decimals

Use known facts to add and subtract decimals within and across 1
Add and Subtract decimals

## Decimals

Decimal sequences
Multiply and divide by 10, 100 and 1,000

## Negative Numbers

Understand negative numbers, Count through zero in 1s
Compare and order negative numbers, Find the difference

## Converting Units

Kilograms and kilometres, Millimetres and millilitres
Convert between metric and imperial units
Convert units of time, Calculate with timetables

## Volume

Cubic centimetres, Compare and estimate volume
Estimate capacity

