

## Autumn Term

### Number

#### Whole numbers and decimals

Place value and decimals

Multiply and divide by 10, 100 & 1000

Negative numbers

Mental & written methods of addition & subtraction

Calculator methods 1

#### Fractions, decimals and percentages

Fractions

Equivalent fractions

Addition & subtraction of fractions

Decimals & fractions

Fraction of a quantity

Percentages

#### Factors & multiples

Square numbers & square roots

Prime numbers

LCM & HCF

#### Decimal calculations

Written & mental methods of multiplying & dividing decimals

Interpreting a calculator display

### Algebra

#### Expressions and formulae

Algebraic symbols

Expressions & formulae

Collecting like terms

Using & writing a formula

#### Graphs

Coordinates

Tables and values

Plotting straight-line graphs

Real-life graphs

### Geometry

#### Angles and 2D shapes

Measuring, drawing & calculating angles

Properties of triangles, quadrilaterals & polygons

## Spring Term

### Number

#### Whole number calculations

Rounding

Order of operations

Mental & written methods of multiplication & division

Calculator methods 2

### Geometry

#### Measures. perimeter & area

Length

Units of measurement

Converting between metric units

Perimeter & area

Area of a rectangle, triangle & parallelogram

#### Transformations & symmetry

Reflection & rotation

Translation

Tessellations

### Statistics

#### Probability

The probability scale

Theoretical & experimental probability

Sets

### Algebra

#### Equations

Multiplying & dividing terms

Balancing calculations

Simple & two-step equations

## Summer Term

### Statistics

#### Statistics

Reading & interpreting graphs & charts

Mode, median, mean & range

Planning a statistical enquiry

Collecting & comparing data

Tally charts & frequency tables

### Algebra

#### Sequences

Sequence rules

Term-to-term rules

Position in a sequence

### Geometry

#### Constructions & 3D shapes

Constructing triangles

Scale drawings

Properties of 3D shapes

Isometric drawings

Nets of 3D shapes

Volume

### Ratio

#### Ratio & proportion

Proportion

Ratio

Ratio & proportion problems