

Autumn Term

Sequences

Term-to-term rules

Position-to-term rules

Sequences in context

Geometric sequences

Number

Whole numbers & decimals

Integers & decimals

Multiplying & dividing integers

Multiples & factors

Prime numbers

LCM & HCF

Geometry

Measures, perimeter & area

Metric & imperial measure

Perimeter & area of a rectangle

Angles & Shapes

Angles

Properties of a triangle, quadrilateral & polygon

Angles in parallel lines

Congruent shapes

Algebra

Expressions & formulae

Simplifying & substituting

Indices

Like terms

Expanding brackets

Substitution into formulae

Writing a formulae

Graphs

Drawing straight line graphs

Equation of straight line graph

Real-life graphs

Time series graphs

Spring Term

Algebra

Equations

Solving equations

Equations with brackets

Real-life equations

Written & calculator methods

Written addition & subtraction

Written methods of multiplication & division

Order of operations

Addition & subtraction problems

Multiplication & division problems

Calculation methods

Statistics

Probability

Experimental probability

Theoretical & experimental probability

Sets

Statistics

Planning & collecting data

Pie charts

Bar charts & frequency diagrams

Averages from a frequency table

Scatter graphs & correlation

Stem-and-leaf diagrams

Number

Whole numbers & decimals

Squares & cubes

Square & cube roots

Fractions, decimals & percentages

Ordering decimals

Fractions & decimals

Adding & subtracting fractions

Fraction of a quantity

Percentages of amounts

Summer Term

Transformations & symmetry

Transformations

Combinations of transformations

Symmetry

Enlargements

Geometry

Constructions

Constructing triangles

Bisectors

Constructing perpendiculars

Loci

Scale drawings

Bearings

Number

3D shapes

3D shapes

Plans & elevations

Surface area of a cuboid

Volume of a cuboid

Prisms

Mental calculations

Rounding

Mental addition & subtraction

Multiply & divide by powers of 10

Mental multiplication & division

Ratio

Ratio & proportion

Ratio

Division in a given ratio

Direct proportion

Ratio & proportion

Percentage increase & decrease

Comparing proportions