

Key Stage 3 Level 4

Algebra

- Know that $3X$ means $3 \times X$.
- Interpret and draw conversion graphs.
- To solve equations like $4x=20$.
- To describe number patterns.
- Use function machines.

Number

- Round to nearest 1000, whole number and money amounts.
- Identify factors of numbers.
- To use multiple, factor, prime, triangle and square.
- Read, write and order numbers up to 1000 000.
- To use coordinates in the first quadrant.
- To recognize simple fractions.
- To understand that % means out of 100.
- To use inequalities symbols.
- To interpret money on a calculator.
- To order negative numbers.
- Add and subtract without a calculator.
- Simple multiplication and division without a calculator.
- Multiply and divide by 10 or 100.
- To calculate time intervals.
- Convert between 12 and 24 hour clock.
- To use a timetable.

Shape

- To know angle on straight line, full turn and triangle.
- To estimate angles.
- To find perimeter and area of rectangles.
- State order of rotation.
- To reflect in x or y axis.
- Find volume by counting cubes.
- Match units to length, area or volume.
- To construct a triangle given 3 lengths, 1 length and 2 angles, or, 2 lengths and 1 angle.
- To measure in mm, cm and m.
- Identify congruent shapes.
- Construct 2D shapes.
- Know names of 5,6 and 8 sided shapes.
- To draw 3D shapes on isometric paper.
- Recognise radius, diameter and circumference.

Handling Data

- To collect, group and tally discrete data.
- To construct line graphs.
- To construct frequency tables and diagram for grouped data.
- To interpret line graphs and frequency diagrams.
- To find mode, median, mean and range.
- To list possible outcomes.