

# Year 9 Mathematics

## Introduction lesson

### DID YOU KNOW?

People who were good at maths as young children go on to earn more than other similar children by the time they are 30, a study has found.  
Source: BBC NEWS

## Constructing in 2 & 3 Dimensions

3 Dimensional Shapes, Constructions & Congruency



## Reasoning with Number

Numbers, Using Percentages, Mathematics & Money

### DID YOU KNOW?

Percentage are used regularly in Finance, for example; Compound interest will make a deposit or loan grow at a faster rate than simple interest

## End of Year Test

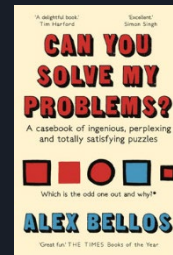
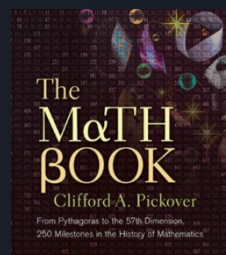
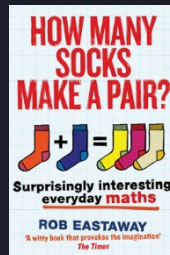


## Reasoning with data

Probability

### DID YOU KNOW?

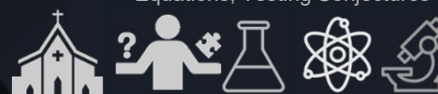
A new baby usually deprives each of its parents around 350-400 hours of sleep in the first year. If left alone, 70% of birthmarks gradually fade away. The human eye blinks an average of 4,200,000 times a year



## Reading Books

## Reasoning with Algebra

Straight line graphs, Forming & Solving Equations, Testing Conjectures



## Mid-Year Test

Calculator and non-calculator papers

### DID YOU KNOW?

A locus (plural: loci) (Latin word for "place", "location") is a set of all points (commonly, a line, a line segment, a curve or a surface), whose location satisfies or is determined by one or more specified conditions.

## Reasoning with Geometry

Deduction, Rotation & Translation, Pythagoras' Theorem

Enlargement & Similarity, Solving Ratio & Proportion Problems, Rates



## Reasoning with Proportion

Proportionality, Calculations with speed, density and pressure, Flow problems, Rates of change, Convert between units

## GCSE PREPARATION

### DID YOU KNOW?

Bees follow a gradient of scent molecules to find flowers. A strong scent means they are getting closer.