

# Year 8 Mathematics

## Baseline Test

### 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

## Representations

Working in the Cartesian Plane, Representing Data, Tables & Probability



### DID YOU KNOW?

The famous NBA 24 second shot was created using an algebraic equation

## Algebraic Techniques

Brackets, Equations & Inequalities, Sequences, Indices



## Developing Geometry

Angles in Parallel Lines & Polygons, Area of Trapezia & Circles, Line Symmetry & Reflection

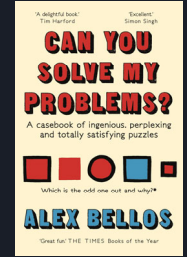
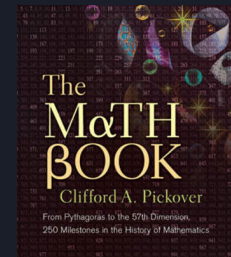


## Mathematics in Medicine

### 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

# 2021-22



## Reading Books

## Proportional Reasoning

Ratio & Scale, Multiplicative Change, Multiplying & Dividing Fractions



### DID YOU KNOW?

The line that separates the numerator from the denominator in a fraction is called the vinculum

## Mid-Year Test

Written Paper(s)  
SET CHANGE OPPORTUNITY

### 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

## Developing Number

Fractions & Percentages, Standard Index Form, Number Sense



## Reasoning with Data

The Data Handling Cycle & Measures of Location

### DID YOU KNOW?

Global population is approximately 7.5 billion  
UK population is approximately 66 million  
London population is approximately 10 million

## End of Year Test

Mental Arithmetic Paper  
1 hour Written Paper