



# MATHEMATICS - YEAR 7

## Sequences:

Recognise and describe different types of sequences including arithmetic and geometric sequences and non-linear sequences such as quadratic sequences.

## Algebraic thinking:

Use the laws of algebra to manipulate and solve equations and inequalities, and to simplify algebraic expressions.

## Equality and equivalence:

Understand and use the properties of equality and equivalence, and solve equations and inequalities.

## Place value and ordering:

Understand and use the place value system, and compare and order numbers.

## FDP equivalence:

Understand and use the equivalence between fractions, decimals and percentages.

## Addition and subtraction:

Use the laws of addition and subtraction to solve problems involving numbers and algebraic expressions.

## Operations and equations with directed number:

Understand and use the laws of addition and subtraction for directed numbers, and solve simple equations.

## Addition and subtraction of fractions:

Understand and use the laws of addition and subtraction for fractions, and solve problems involving fractions.

## Constructing, measuring and using geometric notation:

Understand and use geometric notation, and construct and measure geometric shapes.

## Developing geometric reasoning:

Understand and use geometric reasoning, and solve problems involving geometric shapes.

