



# Specialist Subject Vocabulary-Maths



## Negative

A number less than zero.

## Positive

A number greater than zero.

## Square

To multiply a number by itself, e.g.  $3 \times 3$ .

## Sphere

A round solid object with no vertices; ball shaped.

## Angle

The space between two joining lines, usually measured in degrees.

## Parallel

(lines) side by side, always the same distance apart and never meeting.

**Prefix:** **para-** beside but not part of

## Triangular

A number that can be represented as that number of dots in a triangular shape.

**Prefix:** **Tri-** three

**Suffix:** **ar-** to do with

**Root word:** angle

## Prism

A solid shape that has identical planes at each end linked by parallelograms, such as a cylinder or a cuboid.

## Formula

A maths equation shown in letters or numbers.

## Probability

The likelihood of something happening; shown by the ratio of actual happenings to possible happenings.

**Suffix:** **able-** can be done; **ity-** state of

**Root word:** prove



# Challenge Vocabulary-Maths



## Identity

An identity is an equation that is true for all values of the variables.

**Suffix: ity-** state of

## Equation

A mathematical sentence using algebra, where both sides of the sentence are equal.

**Prefix: Equ-** equal

**Suffix: tion-** act, process or result

## Frequency

The number of times a value occurs in a list of data.

**Suffix: ency-** state, quality

**Root word:** frequent

## Vertex

Any corner point where two lines meet in a 2D or 3D shape.

## Vertices

Plural of vertex; corners, angles.

## Relative

Relative numbers or values are dependent on other numbers.

In other words, they are relative to other (absolute) numbers.

## Reciprocal

A pair of numbers which make 1 when multiplied together.

## Isosceles

A triangle with two equal sides and two equal angles.

**Prefix: iso-**equal

## Perpendicular

At 90 degrees to a surface, especially a horizontal surface.

**Prefix: Per-** through, thoroughly

**Suffix: ar- to do with**

**Root word:** pend- hang

## Trapezium

A shape with one pair of parallel lines of different lengths.