Prime

Pr

A number with 2 factors, 1 and itself

Factor

Fc

A number that divides exactly into another

Multiple

Mu

A number made by multiplying together two other numbers

Square number

Sq

A number made by multiplying a number by itself

Cubed number

Cu

A number made by multiplying a number by itself and then itself again

Prime Factor

Pf

A factor of a number that is itself Prime

Powers

Pw

A number

Standard Form

St

A number written as value between 1 & 10 multiplied by a power of 10

Rational

Ra

A number that can be written in the form $\frac{a}{b}$

Irrational

Ir

A number that is not rational

Integer

Ig

A whole number

Ratio

Ra

A

Proportion

Pp

A

Percentage

Pc

A number out of 100

Surd

Su

A

Fraction

Fr

A

Decimal

Dc

A

Denominator

Dn

The bottom of fraction

Numerator

Nm

The top of a fraction

Significant figures

Sf

A

Solve

Sv

A

Factorise

Fa

Put an expression into brackets

Expand

Ep

Multiply out of brackets

Quadratic

Qd

An expression involving squared variable

Cubic

Cu

An expression involving a cubed variable

Asymptote

As

A

Expression

Ex

A collection of terms

Equation

Eq

A

Term

Tm

A

Sequence

Sn

A set of numbers that follow a pattern or rule

Inequality

Iq

A

Variable

Va

A value that

Scalene

Sc

A triangle where all sides and angles are different

Isosceles

Is

A triangle with two equal sides and angles

Equilateral

Er

A triangle with all three sides and angles the same

Quadrilateral

Qd

A four sided shape

Polygon

Pg

A 2D shape

Prism

Pm

A 3D shape with the same cross section throughout

Trapezium

Tz

A quadrilateral with one set of parallel sides

Parallelogram

Pl

A quadrilateral with two sets of parallel sides

Acute

Ac

An angle between 1 and 89 degrees

Obtuse

Ob

An angle between 91 and 179 degrees

Reflex

Rx

An angle over 180 degrees

Bearing

Br

A 3 digit angle measured clockwise from North

Area

Ar

The space within a 2D shape

Volume

Vm

The space within a 3D shape

Capacity

Cp

The amount of….

Congruant

Cg

A shape that is the same as another

Similar

Si

Two shapes that in proportion with each other…

Trigonometry

Tg

Relationships between two sides of a triangle………

Pythagoras

Py

a2 + b2 = h2

Sine

Si

Sinθ = $\frac{o}{h}$

Cosine

Cs

Cosθ = $\frac{a}{h}$

Tangent

Tn

Tanθ = $\frac{o}{a}$

Perpendicular

Pp

Two lines that cross at right angles

Parallel

Pl

Two lines that will never intersect (they have the same gradient)

Gradient

Gd

The steepness of a line

Perimeter

Pm

The distance around the outside of a shape

Circumference

Cm

The distance around the outside of a circle

Radius

Rd

The distance from the centre to the outside of a circle

Diameter

Di

The distance across the centre of a circle

Scale Factor

St

The ……..

Vector

Vc

A measure that shows direction and displacement

Vertex

Vx

The corner of a 3D shape

Edge

Ed

Where two faces of a 3D shape meet

Mean

Mn

An average calculated by summing all values and dividing by the total frequency

Mode

Mo

The most frequent value

Median

Md

The middle value when data is in numerical order

Frequency

Fq

The number of pieces of data

Range

Rg

The difference between the highest and lowest values

Quartiles

Qt

The values at ¼ , ½ and ¾ of the data

Questionnaire

Qn

A survey to collect information

Discrete data

Ds

Data that can be counted

Continuous data

Cn

Data that is measured

Distribution

Db

The spread of data

Sample

Sp

A selection of data

Population

Pn

All…….

Bias

Bs

………

Probability

Pb

The likelihood of something happening

Event

Ev

….

Outcome

Ot

The result of an experiment or trial

Mutually exclusive

Me

Events that do not affect the others probability

Relative Frequency

Rf

Probabilities calculated from an experiment/trial

Dependent Events

Ie

Outcomes of one event affect the probability of another

Types of Number

Number

Algebra

Types of Shape

Shape

Data

Probability

Multiply

x

Divide

÷

Add

+

Subtract

-

Square Root

√

Pi

$$π$$

Equals

=

Infinity

∞

Factorial

!

Approximation

≈

Identity