

KS4 MATHS - Curriculum Path

Autumn 1

Autumn 2

Spring 1

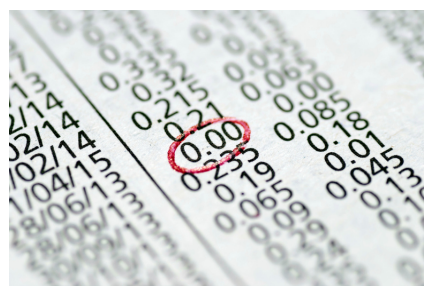
Spring 2

Summer 1

Summer 2

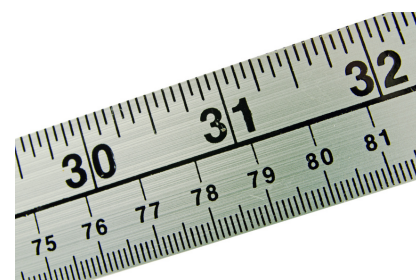
Year
10

NUMBER



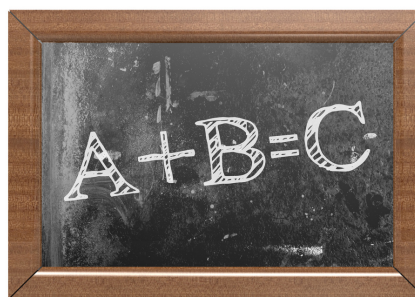
Ordering & converting fractions, decimals & percentages. Rounding and estimation. Factors, multiples, primes. Standard form

RATIO & PROPORTION



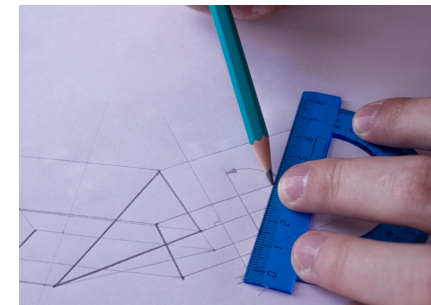
Simplifying ratios, fractions, direct proportion problems. Best value and unit conversions.

ALGEBRA



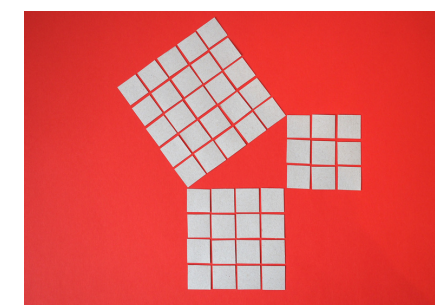
Notations and expressions. Expanding brackets. Common factors. Linear equations

GEOMETRY



2D shapes. Area & Perimeter. Angles. Perpendicular bisector. Congruence and similarity

GEOMETRY



Transformations. Surface area and volume of prisms. Circle properties. Pythagoras

STATISTICS



Averages from data, graphs & charts. Representing data. Stem & leaf diagrams. Probability

Year
11

NUMBER



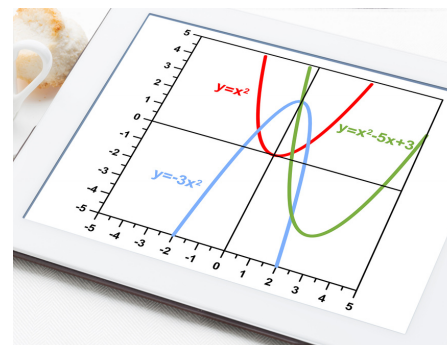
Standard form. Index laws. Bound & error intervals. Recurring decimals. Percentage change.

RATIO & PROPORTION



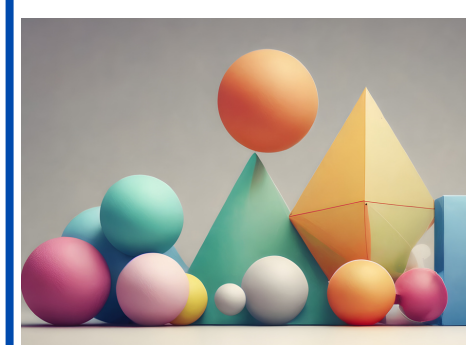
Direct & inverse proportion. Compound measures. Growth & decay. Multi-step ratio problems

ALGEBRA



Quadratics. Simultaneous equations. Rearranging formulae. Inequalities

GEOMETRY



Trigonometry. Pythagoras. Volume & surface area. Vectors. Bearings

CONSOLIDATION



Cumulative frequency. Box plots. Histograms. Tree diagrams. Venn diagrams. Plotting graphs