

Overlap grades 4/5

Long multiplication
Bus stop division
Sets and Venn diagrams
Mixed number operations
Percentages increase/decrease
Ratio sharing (a few)
Volume of prisms
Surface area

Inequalities and number line
HCF/LCM
Speed (with graph)
Plotting and drawing quadratic
Pythagoras' Theorem
Trigonometry
proportion

Higher Grades 6 to 9

Solving quadratics
Indices - including negative and fractional
Estimation
Cumulative frequency
Recurring decimals to fractions
Lots of algebraic manipulation
 Area (link with algebraic expressions)
 expand 3 pairs brackets
 Algebraic fractions (+/-)
Probability trees
inequality regions
Trigonometry
 right angles
 known trig ratios
 sine/cosine rule and area of triangle
Surds - rationalise denominator
circle graph

Functions
Complete the square (beast)
Density
Boxplot/quartiles
 $y=mx+c$ including perpendicular lines
number of ways
circle theorems
iteration
histograms
sine curve with transformations
similar area and volume
upper and lower bounds in calculation