

MATHS TOPIC LIST

PAPER 1

FOUNDATION

This list is to be used as a guide for your revision. It is not an exhaustive list of every topic, but a carefully tailored one to support you to focus your revision.

Extremely Likely	<ul style="list-style-type: none">• Fractions (+, -, x, ÷)• Decimals (+, -, x, ÷)• Estimation• Unit Conversions• Algebra (simplifying, expanding, factorising, solving, rearranging)• Speed, Distance, Time• Money• Fractions of amounts, percentages and ratios• Proportion (recipes, best buys, similar shapes)• Plotting linear or quadratic graphs• Exact trigonometric values
Topics which will normally be Non-Calculator	
Also Likely	<ul style="list-style-type: none">• Converting fractions, decimals and percentages• Nth term of a sequence• Sequences• Highest Common Factor and Lowest Common Multiple• Prime Factor Decomposition• Angle Facts• Error intervals• Transformations• Scale Diagrams• Statistical diagrams (stem and leaf, scatter graphs, bar charts, pie charts)• Probability
Really common topics across all 3 papers	
Possible	<ul style="list-style-type: none">• Standard form (conversions and calculations)• Frequency trees and two-way tables• Venn diagrams• Area (rectangle, parallelogram, trapezium, circles, triangles)• Pythagoras' Theorem• Volume• Angles in polygons• Simultaneous equations• Rearranging formulae• Number machines
Other common topics	