

# 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

Topics which will normally be Non-Calculator

- Fractions (+, -,  $\times$ ,  $\div$ )
- Decimals (+, -,  $\times$ ,  $\div$ )
- 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

## Also Likely

Really common topics across all 3 papers

- 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

## Possible

Other common topics

- 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