

5th Form IGCSE Mathematics Revision

Each section contains the relevant section from the Specification and example questions.

If you cover all the sections you can't fail!

1	Powers and Roots Index laws, negative and fractional powers Percentages Reverse percentages, compound percentage change Degrees of Accuracy Upper and lower bounds
2	Circle Properties. All the circle theorems. Mensuration Sectors of circles. Surface area and volume. Similar figures.
3	Quadratics and more Factorising, quadratic formula, algebraic fractions, simultaneous equations –one linear, one quadratic-, inequalities
4	Expressions and Formulae Rearranging formulae. Direct and inverse proportion Surds
5	Graphs and Functions Function notation, domain and range, inverse. Cubics, quadratics and reciprocals. $y=mx+c$. Calculus Find maxima and minima. Kinematics.
6	Set Language and Notation Sets, subsets, complement, intersection, union Vectors Vector geometry
7	Trigonometry Sin, cos, tan for obtuse angles. Sine and cosine rules. Area of a triangle. 3-D problems
8	Statistics Histograms. Cumulative frequency. Probability tree diagrams.