

Revision checklist

Grade 5

Number

- ☐ Calculations with powers and roots
- ☐ Fractional and negative indices in accessible cases
- ☐ Surds: simplifying simple expressions
- ☐ Rational and recurring decimals
- ☐ Bounds and error intervals
- ☐ Calculations with standard form
- ☐ Repeated percentage change

Algebra

- ☐ Expanding double brackets and factorising quadratics
- ☐ Difference of two squares
- ☐ Solving quadratic equations by factorisation
- ☐ Simultaneous linear equations using elimination and substitution
- ☐ Changing the subject of a formula
- ☐ Algebraic fractions in simple cases
- ☐ Linear and quadratic sequences
- ☐ Equation of a straight line through a point or two points
- ☐ Parallel lines and gradients
- ☐ Algebraic proof and identities
- ☐ Linear inequalities

Ratio and proportion

- ☐ Direct and inverse proportion in numerical problems
- ☐ Compound measures in multi-step contexts
- ☐ Reverse percentages
- ☐ Similarity: lengths, areas and volumes
- ☐ Growth and decay using multipliers
- ☐ Compound interest

Geometry

- ☐ Trigonometry in multi-step problems
- ☐ Exact values of basic trigonometric ratios
- ☐ Sine rule and cosine rule in introductory cases
- ☐ Area of a triangle using $\frac{1}{2} ab \sin C$
- ☐ Circle circumference, area, arcs and sectors
- ☐ Circle theorems in standard problems
- ☐ Enlargement with fractional and negative scale factors
- ☐ Geometric proofs using angle facts
- ☐ Vectors: notation and simple operations

Probability

- ☐ Dependent and independent events
- ☐ Tree diagrams with changing probabilities
- ☐ Venn diagrams and two-way tables
- ☐ Experimental and theoretical probability

Statistics

- ☐ Cumulative frequency graphs
- ☐ Quartiles and interquartile range
- ☐ Histograms with equal class widths
- ☐ Sampling and limitations of data

Disclaimer: The grade groupings (Grades 1–3, 4–6 and 7–9) are intended as a general guide only. They are approximate and are not fixed boundaries, as the difficulty of a topic can vary depending on the question and the skills required. Some topics may overlap between grade groups, and students may need to revisit earlier skills before progressing to more challenging material. The actual GCSE grade achieved will depend on overall performance across the full exam, not on individual topics alone.