

Revision checklist

Grade 3

Number

- ☐ Operations with fractions, including simple mixed numbers
- ☐ Calculations with negative numbers
- ☐ HCF and LCM
- ☐ Prime factorisation using factor trees
- ☐ Powers, squares, cubes and roots
- ☐ Standard form in straightforward cases
- ☐ Fractions, decimals and percentages conversions
- ☐ Rounding to decimal places and significant figures
- ☐ Simple error intervals

Algebra

- ☐ Expanding and simplifying expressions
- ☐ Factorising expressions by taking out a common factor
- ☐ Solving equations with the unknown on both sides in simple cases
- ☐ Forming expressions from worded problems
- ☐ Generating sequences and finding simple term-to-term rules
- ☐ Plotting straight-line graphs
- ☐ Coordinates and reading graphs

Ratio and proportion

- ☐ Sharing quantities in a ratio
- ☐ Ratio in practical problems
- ☐ Best buys and unit pricing
- ☐ Percentage change
- ☐ Reverse percentages in simple cases
- ☐ Direct proportion in numerical contexts
- ☐ Converting compound units

Geometry

- ☐ Angles in parallel lines
- ☐ Angles in polygons
- ☐ Area of compound shapes
- ☐ Volume of cuboids and prisms
- ☐ Pythagoras' theorem in straightforward problems
- ☐ Scale drawings and bearings
- ☐ Congruence and basic similarity
- ☐ Transformations on a coordinate grid

Probability

- ☐ Sample spaces and systematic listing
- ☐ Frequency trees
- ☐ Simple combined probability

Statistics

- ☐ Averages from frequency tables
- ☐ Pie charts and time-series graphs
- ☐ Scatter graphs and correlation
- ☐ Comparing data using averages and range

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