

Revision checklist

Grade 4

Number

- ☐ Calculations with fractions and mixed numbers
- ☐ Product of prime factors
- ☐ HCF and LCM using prime factorisation
- ☐ Standard form calculations
- ☐ Significant figures and estimation
- ☐ Upper and lower bounds in simple problems
- ☐ Recurring decimals in accessible cases

Algebra

- ☐ Expanding double brackets in straightforward cases
- ☐ Factorising quadratic expressions of the form (x^2+bx+c)
- ☐ Solving linear equations with brackets and fractions
- ☐ Simultaneous equations: linear pairs
- ☐ Sequences and nth term of linear sequences
- ☐ Straight-line graphs in the form $(y=mx+c)$
- ☐ Rearranging simple formulae
- ☐ Inequalities and number-line representations
- ☐ Algebraic proof in simple cases

Ratio and proportion

- ☐ Compound ratios and three-part ratios
- ☐ Reverse percentages
- ☐ Direct proportion
- ☐ Speed, density and pressure calculations
- ☐ Similar shapes and scale factors
- ☐ Percentage multipliers

Geometry

- ☐ Pythagoras' theorem in multi-step questions
- ☐ Trigonometry in right-angled triangles (SOHCAHTOA)
- ☐ Area of trapezia and compound shapes
- ☐ Surface area and volume of prisms
- ☐ Similar triangles
- ☐ Congruence and geometric reasoning
- ☐ Constructions and loci
- ☐ Plans and elevations

Probability

- ☐ Probability tree diagrams with independent events
- ☐ Combined events
- ☐ Venn diagrams and set notation in accessible problems

Statistics

- ☐ Frequency polygons
- ☐ Comparing distributions
- ☐ Box plots in straightforward contexts
- ☐ Interpreting scatter graphs and lines of best fit