

Higher checklist (Grade 5-7)

Grade 5

Topic	Example(s)	Exam Questions	Solutions
Writing a Ratio as a Fraction or Linear Function	Revision	Ratio Fraction Problems Ratio Problems 2	Solutions Solutions
Direct and Inverse Proportion		Direct and Inverse Proportion	Solutions
Reverse Percentages	Revision	Reverse Percentages	Solutions
Standard Form	Revision	Standard Form	Solutions
Speed and Density	Revision	Speed and Density	Solutions
Changing the Subject of a Formula	Revision	Changing the Subject of a Formula	Solutions
Expanding and Factorising Quadratics	Revision	Expanding and Factorising Quadratics	Solutions
Solving Quadratics	Revision	Solving Quadratics	Solutions
Drawing Quadratic Graphs	Revision	Drawing Quadratic Graphs	Solutions
Drawing Other Graphs: Cubic/Reciprocal	Revision	Cubic/Reciprocal Graphs	Solutions
Simultaneous Equations	Revision	Simultaneous Equations	Solutions
Solving Simultaneous Equations Graphically	Revision	Solving Simultaneous Equations Graphically	Solutions
Midpoint of a Line Segment	Revision		
Gradient of a Line	Revision	Gradient of a Line	Solutions
Equation of a Line	Revision	Equation of a Line	Solutions
Spheres and Cones	Revision	Spheres and Cones	Solutions
Sector Areas and Arc Lengths	Revision	Sectors and Arcs	Solutions
Similar Shapes (Lengths)	Revision	Similar Shapes (Lengths)	Solutions
SOHCAHTOA	Revision	SOHCAHTOA	Solutions
Exact trig values	Revision		
Vectors		Vectors	Solutions
Probability Trees	Revision	Probability Trees	Solutions
Venn Diagrams	Revision	Venn Diagrams	Solutions

Grade 6

Topic	Example(s)	Exam Questions	Solutions
Recurring Decimals to Fractions	Revision	Converting Recurring Decimals to Fractions	Solutions
Fractional and Negative Indices	Revision	Fractional and Negative Indices	Solutions
The Product Rule for Counting	Revision	The Product Rule for Counting	Solutions
Repeated Percentage Change		Repeated Percentage Change	Solutions

Topic	Example(s)	Exam Questions	Solutions
Expanding Triple Brackets	Revision	Expanding Triple Brackets	Solutions
Parallel and Perpendicular Lines	Revision	Parallel and Perpendicular Lines	Solutions
Length of a Line	Revision		
Inequalities on Graphs	Revision	Inequalities on Graphs	Solutions
Similar Shapes (Area and Volume)	Revision	Similar Shapes (Area and Volume)	Solutions
Enlarging with Negative Scale Factors		Enlarging with Negative Scale Factors	Solutions
Circle Theorems	Revision	Circle Theorems	Solutions
Cumulative Frequency	Revision	Cumulative Frequency	Solutions
Box Plots	Revision	Box Plots	Solutions

Grade 7

Topic	Example(s)	Exam Questions	Solutions
Surds	Revision	Surds	Solutions
Bounds	Revision	Bounds	Solutions
Direct and Inverse Proportion	Revision	Direct and Inverse Proportion	Solutions
Quadratic Formula	Revision	Quadratic Formula	Solutions
Factorising Harder Quadratics	Revision	Factorising Harder Quadratics	Solutions
Algebraic Fractions	Revision	Algebraic Fractions	Solutions
Rearranging Harder Formulae	Revision	Rearranging Harder Formulae	Solutions
Harder Graphs: Trig/Exponential	Revision	Harder Graphs: Trig/Exponential	Solutions
Inverse and Composite Functions	Revision	Inverse and Composite Functions	Solutions
Iteration	Revision	Solving Equations using Iteration	Solutions
Finding the Area of Any Triangle	Revision	Finding the Area of Any Triangle	Solutions
The Sine Rule	Revision	The Sine Rule	Solutions
The Cosine Rule	Revision	The Cosine Rule	Solutions
Congruent Triangles	Revision	Congruent Triangles	Solutions
3d Pythagoras	Revision	3d Pythagoras	Solutions
Histograms	Revision	Histograms	Solutions
Venn Diagrams ("Given that" questions)	Revision	Venn Diagrams	Solutions