

# Foundation checklist (Grades 3-5)

## Grade 3

Topic	Example(s)	Exam Questions	Solutions
Error Intervals		<a href="#">Error Intervals</a>	<a href="#">Solutions</a>
Fractions	<a href="#">Revision</a>	<a href="#">Fractions</a>	<a href="#">Solutions</a>
Writing and Simplifying Ratio	<a href="#">Revision</a>		
Ratio	<a href="#">Revision</a>	<a href="#">Ratio</a>	<a href="#">Solutions</a>
Proportion	<a href="#">Revision</a>	<a href="#">Proportion Ingredients Questions</a>	<a href="#">Solutions</a>
Percentages	<a href="#">Revision</a>	<a href="#">Percentages</a>	<a href="#">Solutions</a>
Percentage Change	<a href="#">Revision</a>		
Exchange Rates	<a href="#">Revision</a>	<a href="#">Exchange Rates</a>	<a href="#">Solutions</a>
Best Buy Questions	<a href="#">Revision</a>	<a href="#">Best Buys</a>	<a href="#">Solutions</a>
Substitution	<a href="#">Revision</a>	<a href="#">Substitution</a>	<a href="#">Solutions</a>
Solving Equations	<a href="#">Revision</a>		
Solving Equations with an Unknown on Both Sides	<a href="#">Revision</a>	<a href="#">Solving Equations</a>	<a href="#">Solutions</a>
Drawing Graphs	<a href="#">Revision</a>	<a href="#">Drawing Graphs</a>	<a href="#">Solutions</a>
Area and Circumference of Circles	<a href="#">Revision</a>	<a href="#">Circles</a>	<a href="#">Solutions</a>
		<a href="#">Rotations</a>	<a href="#">Rotations Solutions</a>
		<a href="#">Reflections</a>	<a href="#">Reflections Solutions</a>
Transformations	<a href="#">Revision</a>	<a href="#">Enlargements</a>	<a href="#">Enlargements Solutions</a>
		<a href="#">Translations</a>	<a href="#">Translations Solutions</a>
		<a href="#">Mixed Transformations</a>	<a href="#">Mixed Transformations Solutions</a>
Area of Compound Shapes	<a href="#">Revision</a>	<a href="#">Area of Compound Shapes</a>	<a href="#">Solutions</a>
Probability	<a href="#">Revision</a>	<a href="#">Probability</a>	<a href="#">Solutions</a>
Two Way Tables	<a href="#">Revision</a>	<a href="#">Two Way Tables</a>	<a href="#">Solutions</a>

## Grade 4

Topic	Example(s)	Exam Questions	Solutions
Compound Interest and Depreciation	<a href="#">Revision</a>	<a href="#">Compound Interest and Depreciation</a>	<a href="#">Solutions</a>
Indices	<a href="#">Revision</a>	<a href="#">Indices</a>	<a href="#">Solutions</a>
HCF and LCM	<a href="#">Revision</a>	<a href="#">HCF, LCM</a>	<a href="#">Solutions</a>
Functional Maths Questions		<a href="#">Functional Questions</a>	<a href="#">Solutions</a>
Inequalities	<a href="#">Revision</a>	<a href="#">Inequalities</a>	<a href="#">Solutions</a>
Forming and Solving Equations	<a href="#">Revision</a>	<a href="#">Forming and Solving Equations</a>	<a href="#">Solutions</a>
Types of Sequences	<a href="#">Revision</a>		
Generating Sequences	<a href="#">Revision</a>		

Topic	Example(s)	Exam Questions	Solutions
Sequences (Nth Term)	<a href="#">Revision</a>	<a href="#">Sequences (nth term)</a>	<a href="#">Solutions</a>
Expanding and Factorising	<a href="#">Revision</a>	<a href="#">Expand and Factorise</a>	<a href="#">Solutions</a>
Pythagoras	<a href="#">Revision</a>	<a href="#">Pythagoras</a>	<a href="#">Solutions</a>
Angle Problems	<a href="#">Revision</a>	<a href="#">Angles</a>	<a href="#">Solutions</a>
Angles in Parallel Lines	<a href="#">Revision</a>	<a href="#">Angles in Parallel Lines</a>	<a href="#">Solutions</a>
Angles in Polygons	<a href="#">Revision</a>	<a href="#">Angles in Polygons</a>	<a href="#">Solutions</a>
Surface Area	<a href="#">Revision</a>	<a href="#">Surface Area</a>	<a href="#">Solutions</a>
Volume of Prisms	<a href="#">Revision</a>	<a href="#">Volume of Prisms</a>	<a href="#">Solutions</a>
Cylinders	<a href="#">Revision</a>	<a href="#">Volume and Surface Area of Cylinders</a>	<a href="#">Solutions</a>
Loci and Construction	<a href="#">Revision</a>	<a href="#">Loci and Construction</a>	<a href="#">Solutions</a>
Bearings	<a href="#">Revision</a>	<a href="#">Bearings</a>	<a href="#">Solutions</a>
Averages from Frequency Tables	<a href="#">Revision</a>	<a href="#">Averages from Frequency Tables</a>	<a href="#">Solutions</a>
Probability	<a href="#">Revision</a>	<a href="#">Probability</a>	<a href="#">Solutions</a>
Scatter Graphs	<a href="#">Revision</a>	<a href="#">Scatter Graphs</a>	<a href="#">Solutions</a>

## Grade 5

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

Topic	Example(s)	Exam Questions	Solutions
SOHCAHTOA	<a href="#">Revision</a>	<a href="#">SOHCAHTOA</a>	<a href="#">Solutions</a>
Exact trig values	<a href="#">Revision</a>		
Vectors		<a href="#">Vectors</a>	<a href="#">Solutions</a>
Probability Trees	<a href="#">Revision</a>	<a href="#">Probability Trees</a>	<a href="#">Solutions</a>
Venn Diagrams	<a href="#">Revision</a>	<a href="#">Venn Diagrams</a>	<a href="#">Solutions</a>