

Foundation GCSE Maths Topic Checklist

Use this checklist to identify secure topics, choose realistic revision priorities and record progress. It is designed for students, parents and tutors working towards Foundation GCSE Maths.

1	Mark each topic as secure , developing or a priority .
2	Choose two or three priorities at a time rather than trying to revise everything at once.
3	Practise without notes, then revisit the topic later in mixed exam questions.

Number

Topic	Secure	Developing	Priority
Place value and ordering	■	■	■
Four operations and estimation	■	■	■
Negative numbers	■	■	■
Factors, multiples and primes	■	■	■
Fractions and mixed numbers	■	■	■
Decimals and percentages	■	■	■
Standard form	■	■	■
Powers, roots and index laws	■	■	■
Bounds and error intervals	■	■	■

Algebra

Topic	Secure	Developing	Priority
Algebra notation and substitution	■	■	■
Simplifying expressions	■	■	■
Expanding and factorising	■	■	■
Linear equations	■	■	■
Inequalities	■	■	■
Sequences	■	■	■
Coordinates and straight-line graphs	■	■	■
Quadratic and other graphs	■	■	■
Rearranging simple formulae	■	■	■

Ratio, proportion and rates of change

Topic	Secure	Developing	Priority
Simplifying and sharing ratios	■	■	■
Direct proportion	■	■	■
Recipes and scale	■	■	■
Percentages and percentage change	■	■	■
Best buys and unit pricing	■	■	■
Speed, distance and time	■	■	■
Density, mass and volume	■	■	■
Compound measures	■	■	■

Geometry and measures

Topic	Secure	Developing	Priority
Angle facts	■	■	■
Properties of shapes	■	■	■
Perimeter and area	■	■	■
Circles	■	■	■
Surface area and volume	■	■	■
Transformations	■	■	■
Constructions and loci	■	■	■
Scale drawings and bearings	■	■	■
Pythagoras' theorem	■	■	■
Basic trigonometry	■	■	■
Vectors	■	■	■

Probability

Topic	Secure	Developing	Priority
Probability scale	■	■	■
Combined events	■	■	■
Sample spaces	■	■	■
Frequency trees	■	■	■
Tree diagrams	■	■	■
Relative frequency	■	■	■

Statistics

Topic	Secure	Developing	Priority
Averages and range	■	■	■
Frequency tables	■	■	■
Bar charts and pie charts	■	■	■
Scatter graphs	■	■	■
Time series	■	■	■
Cumulative frequency	■	■	■
Box plots	■	■	■
Sampling and misleading graphs	■	■	■

My next three priorities

1.	
2.	
3.	

Important

Specifications vary between exam boards, and individual papers do not assess every topic. Use this checklist alongside the student's school guidance, official exam-board materials and feedback from marked work.

Need help turning the checklist into a plan? Visit candidtutors.co.uk/foundation-gcse-maths