

GCSE Maths Foundation
FINAL Revision List for Paper 3 2017

Here is a list of what is likely to come up on the calculator paper 3, based on what was on the first two papers. Make sure you have your calculator and you know how to use it!

Number

- ✓ Rounding numbers to decimal places and significant figures
- ✓ Squares , cubes and roots
- ✓ **Prime factorisation** including **HCF** and **LCM**
- ✓ **Standard form**
- ✓ Converting between fractions, decimals and percentages
- ✓ Simple and **compound interest** (incl. depreciation)
- ✓ **Reverse percentages**
- ✓ Inverse proportion
- ✓ **Error intervals**
- ✓ **Time and timetables**

Algebra

- ✓ Laws of indices
- ✓ **Factorising by taking out a common factor**
- ✓ **Expanding double brackets**
- ✓ Factorising (quadratics)
- ✓ Expressions and formulae
- ✓ Setting up and solving equations
- ✓ **Changing the subject of a formula**
- ✓ Drawing inequalities on a number line
- ✓ Solving inequalities
- ✓ **Sequences** (including the nth term)
- ✓ Finding the equation of a line from the graph ($y = mx + c$)
- ✓ Drawing quadratic graphs
- ✓ Graphs of cubics and reciprocals
- ✓ **Solving simultaneous equations**
- ✓ **Distance-time graph**

Geometry

- ✓ **Angle facts** (line/triangle/quadrilateral/parallel lines)
- ✓ Angles in a polygon (interior/exterior)
- ✓ Perimeter
- ✓ Area (rectangle / triangle / trapezium / parallelogram / compound shapes)
- ✓ **Volume and surface area of cuboids and prisms**
- ✓ **Area and circumference of a circle**
- ✓ Volume and surface area of a cylinder
- ✓ **Transformations** (translations / rotations / reflections / enlargements)
- ✓ **Pythagoras' theorem**
- ✓ Trigonometry (SOHCAHTOA)
- ✓ Scale drawing and maps
- ✓ **Constructions** (perpendicular bisector/angle bisector/equilateral triangle)
- ✓ Loci
- ✓ Bearings
- ✓ Pyramids, cones and spheres (volume and surface area)
- ✓ Similar shapes
- ✓ Congruency (SSS, ASA, SAS, RHS)

Handling Data

- ✓ **Two way tables**
- ✓ Pictograms
- ✓ Drawing bar charts
- ✓ **Pie charts**
- ✓ **Scatter graphs**
- ✓ Time series graphs and identifying trends
- ✓ Stem and leaf diagrams
- ✓ Averages (Mean/median/mode)
- ✓ Range
- ✓ **Mean from a frequency table**
- ✓ Comparing distributions
- ✓ Frequency trees
- ✓ **Probability tree diagrams**
- ✓ Relative frequency (Experimental probability)
- ✓ **Venn Diagrams**

GOOD LUCK!!