Year 11

GCSE Mathematics
Foundation Tier

Parental Booklet

2025-2026

Key Dates:

The dates below outline when pupils will be sitting mock exam papers and the real examinations. Pupils will sit their mock exams (as well as the real exams) under exam conditions. The purpose of the mock exams is to give an indication as to what Grade pupils are currently working at. Following the mock exams, pupils will also receive feedback on which topics are their strengths and areas for development.

Date	**Assessment**
Monday 15th September 2025	**Mock** Maths exam – Unit 1 (non-calculator)
Monday 1st December 2025	**Mock** Maths exam - Unit 1 (non-calculator)
Wednesday 3rd December 2025	**Mock** Maths exam - Unit 2 (calculator)
Wednesday 28th January 2026	**Mock** Maths exam - Unit 2 (calculator)
Monday 2nd March 2026	**Mock** Maths exam - Unit 1 (non-calculator)
Wednesday 4th March 2026	**Mock** Maths exam - Unit 2 (calculator)
Thursday 14th May 2026	GCSE Mathematics **Final** Exam - Unit 1 exam (non-calc)
Wednesday 10th June 2026	GCSE Mathematics **Final** Exam - Unit 2 exam (calc)

Key Information:

- GCSE Foundation Tier Mathematics consists of two papers: Unit 1 and Unit 2.
- The Unit 1 exam is a non-calculator exam. This lasts 1 hour 30 minutes.
- The Unit 2 exam is a calculator exam. This lasts 1 hour 30 minutes.
- Once pupils have sat the Unit 1 exam, we will provide pupils with a list of Mathematics topics which did not appear in Unit 1 (and therefore are more likely to appear in the Unit 2 exam) to help pupils focus their revision for the Unit 2 exam.

Grades:

- Pupils can achieve any grade from Grade G to Grade D through the Foundation Tier paper.

Homework

Year 11 pupils will be set online homework once per week (every Monday**)** on **MathsWatch**.
This homework is compulsory and allows pupils to develop their understanding of a range of numeracy topics. Please encourage pupils to achieve the highest percentage possible as this shows whether they are secure in those skills.

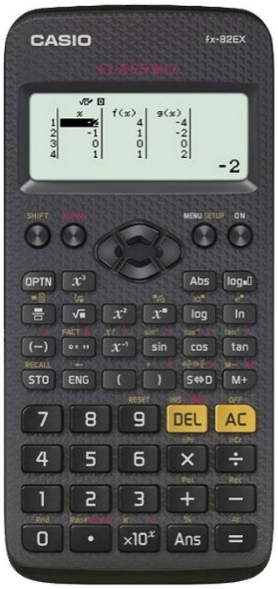
Pupils can access the website via google login by using their school emails.

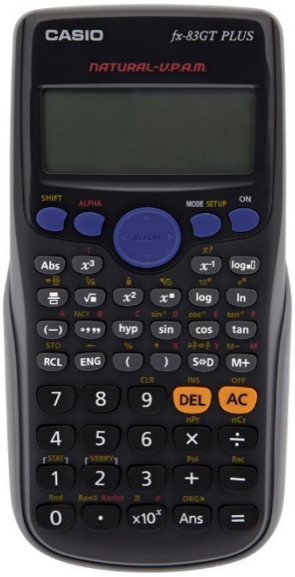
Equipment:

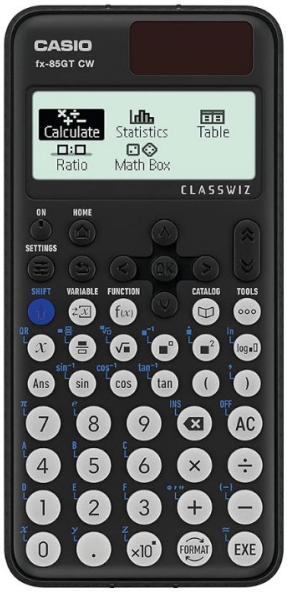
Please ensure pupils come to Maths lessons and attend Maths exams with the following equipment:

- Pen, pencil
- Rubber
- Ruler
- Compass and protractor (Geometry set)
- Scientific Calculator

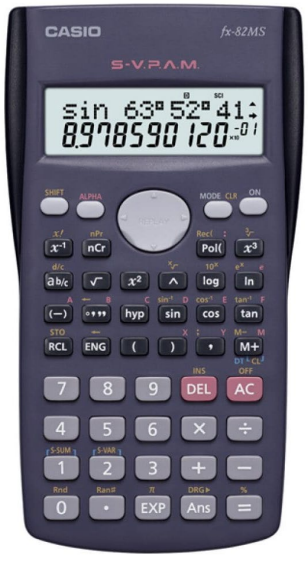
Below are some examples of suitable Scientific Calculators:

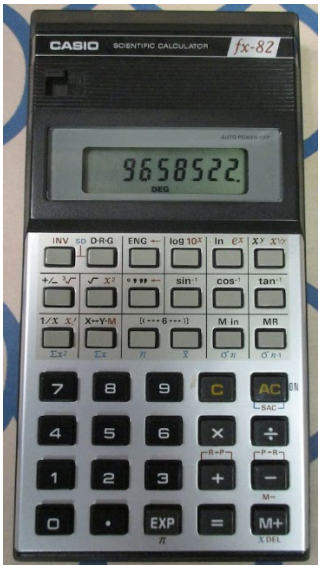


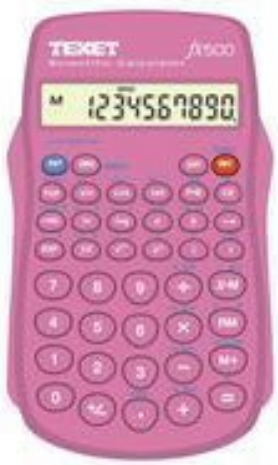




Here are some examples of calculators that are **not suitable** as they are missing some functions:







Key Topics to Revise for Foundation Tier Mathematics (and MathsWatch Clip Numbers)

Grade G

Place Value 1
Ordering Integers 2
Ordering Decimals 3
Reading Scales 4
Simple Mathematical Notation 5
Tessellations and Congruency 6
Polygons 7
Names of Angles 8
The Probability Scale 9
Tally Charts and Bar Charts 10
Pictograms 11

Grade F

Interpreting Real-Life Tables 12
Adding Integers and Decimals 13
Subtracting Integers and Decimals 14
Multiplying Integers 15
Dividing Integers 16
Inverse Operations 17
Money Questions 18
Negatives in Real Life 19
Factors, Multiples and Primes 20
Multiply and Divide by Powers of 10 21
Rounding to the Nearest 10, 100 etc . . . 22
Introduction to Fractions 23
Introduction to Algebraic Conventions . . 24
Coordinates 25
Simple Geometric Definitions 26
Properties of Solids 27
Symmetries 28
Frequency Trees 29
Data - Discrete and Continuous 30
Vertical Line Charts 31

Please note: These are not the only topics which could appear in the GCSE Mathematics exams, however they are the key topics which have appeared in past papers in recent years. These lists have been created to help pupils focus their revision: they should still be revising the other topics we have covered in class also however.

Grade E

Multiplying Decimals 32
Dividing Decimals 33
Equivalent Fractions 34
Simplifying Fractions 35
Comparing Fractions 36
Half-Way Values 37
Introduction to Powers/Indices 38
Rounding to Decimal Places 39
Listing Strategies 40
Introduction to Ratio 41
Using Ratio for Recipe Questions 42
Introduction to Percentages 43
Value for Money 44
Simplifying - Addition and Subtraction . . 45
Function Machines 46
Generating a Sequence - Term to Term . 47
Nets 48
Measuring and Drawing Angles 49
Drawing a Triangle Using a Protractor . . 50
Perimeters 51
Area of a Rectangle 52
Circle Definitions 53
Listing Outcomes 54
Calculating Probabilities 55
Possibility Spaces 56
Two-Way Tables 57

Grade D

Four Rules of Negatives 58
Adding and Subtracting Fractions 59
Finding a Fraction of an Amount 60
Multiplying Fractions 61
Dividing Fractions 62
BODMAS/BIDMAS 63
Calculator Questions 64
Product of Primes 65
Squares, Cubes and Roots 66
Working with Indices 67
Decimals and Fractions 68
Fractions, Percentages, Decimals 69
Percentage of an Amount (Calc.) 70
Percentage of an Amount (Non-Calc.) . . 71
Change to a Percentage (Calc.) 72
Change to a Percentage (Non-Calc) 73
Simple Interest 74

Grade D (continued)

Using Place Value. 75
Introduction to Proportion 76
Exchanging Money 77
Sharing Using Ratio 78
Ratios, Fractions and Graphs 79
Distance-Time Graphs 80

Simplifying - Multiplication 81
Simplifying - Division. 82
Expanding Brackets 83
Substitution 84
Solving Equations Using Flowcharts . . . 85
Subject of a Formula Using Flowcharts . 86
Linear Sequence from the *n*th Term 87
Finding the *n*th Term. 88
Straight Line Graphs. 89

Angles on a Line and at a Point. 90
Angles and Parallel Lines 91
Angles in a Triangle 92
Properties of Special Triangles 93
Angle Sum of Polygons 94
Drawing a Triangle Using Compasses . . 95
Problems on Coordinate Axes 96
Midpoint of a Line on a Graph 97
Reflections. 98
Rotations 99
Translations 100
Enlargements 101
Area of a Triangle 102
Area of a Parallelogram. 103
Area of a Trapezium 104
Unit Conversions 105
Speed-Distance-Time 106
Surface Area of a Cuboid 107
Volume of a Cuboid 108
Area of a Circle 109
Circumference of a Circle 110
Tangents, Arcs, Sectors and Segments . 111
Bisecting an Angle 112
Bisecting a Line 113
Bearings 114

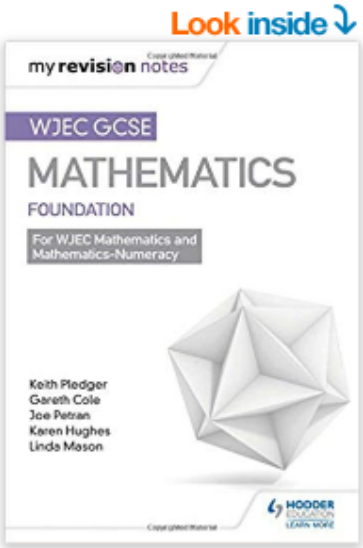
Questionnaires. 115
Mutually Exclusive Events 116
Experimental Probabilities 117
Time Series 118
Scatter Diagrams 119
Venn Diagrams 120
Pie Charts 121
Averages and the Range 122

Helping your child to revise

There are a range of different websites which pupils can use to revise for their GCSE Mathematics exams. Here is a list of some we suggest:

MathsDIY This website provides access to past paper questions, solutions and mark schemes. You will also find past paper questions which are grouped by topic.	**Mathswatch** Provides pupils with videos and accompanying practice questions on a range of different topics. Students can find their username and password in their school emails.
CorbettMaths Videos and worksheets on every topic in Mathematics.	**BBC Bitesize** Information sheets with accompanying quizzes to test pupils' understanding on a range of different topics.

We also recommend the following practice book for lots of additional practice questions pupils can do at home:



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