



Year 11

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

Key Information:

- GCSE Intermediate Tier Mathematics consists of two papers: Unit 1 and Unit 2.
- The Unit 1 exam is a non-calculator exam. This lasts 1 hour 45 minutes.
- The Unit 2 exam is a calculator exam. This lasts 1 hour 45 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 E to Grade B through the Intermediate 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:

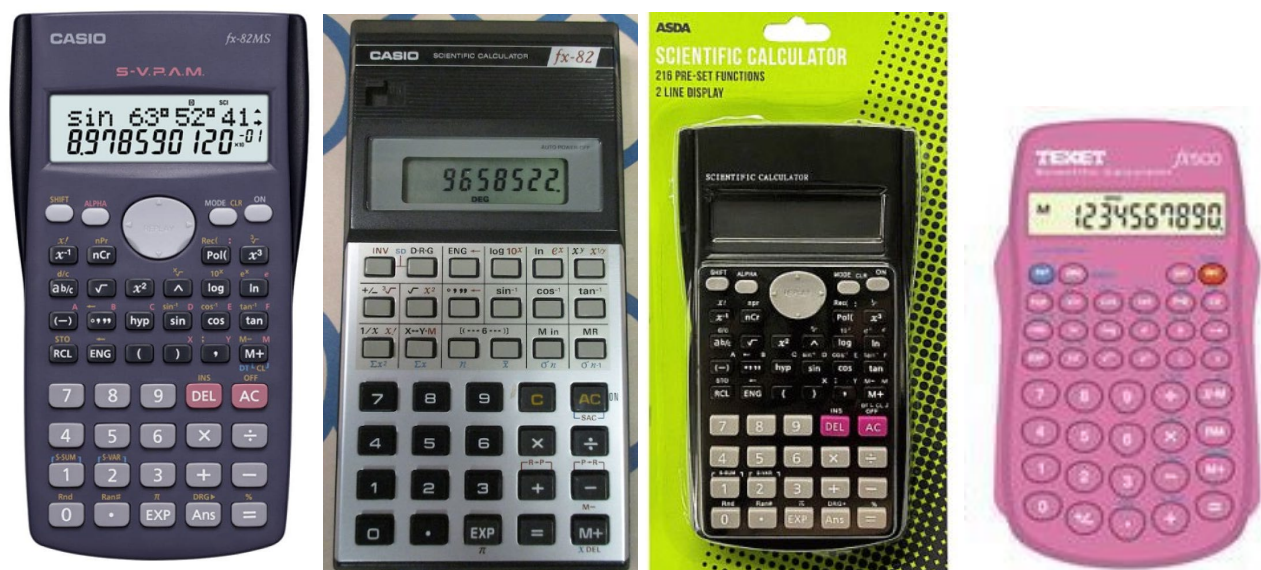
Please ensure pupils come to Maths lessons and attend Maths exams with the following equipment:

- 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 Intermediate Tier Mathematics (and MathsWatch Clip Numbers)

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 nth Term	87
Finding the nth 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



Grade C

Reciprocals	123
Highest Common Factor (HCF)	124
Lowest Common Multiple (LCM)	125
Rounding to Significant Figures	126
Estimating Answers	127
Introduction to Bounds	128
Recurring Decimals to Fractions.	129
Increase/Decrease by a Percentage	130
Percentage Change	131
The Gradient of a Line	132
Drawing Quadratic Graphs	133
Sketching Functions.	134
Quadratic Sequence from the n th Term	135
Special Sequences.	136
Simple Factorisation	137
Expanding and Simplifying Brackets	138
Solving Equations.	139
Forming Formulae and Equations	140
Rearranging Simple Formulae	141
Inequalities on a Number Line	142
Solving Linear Inequalities	143
Simultaneous Equations Graphically	144
Geometric Properties of Quadrilaterals	145
Plans and Elevations	146
Surface Area of a Prism	147
Volume of a Prism.	148
Dimensions.	149
Density	150
Constructing Perpendiculars.	151
Constructing Angles	152
Enlargements - Fractional Scale Factor	154
Similar Shapes	155
Pythagoras' Theorem	156
Frequency Diagrams	157
Simple Tree Diagrams	158
Averages From a Table.	160

Other Topics

- Time Conversions and Calculations

Lower Grade Skills

- Rounding to nearest 10/100/1000 22
- Recognising Patterns/Sequences A22



Grade B

Standard Form	161
Index Notation.	162
Negative Indices	163
Error Intervals	164
Mathematical Reasoning	165
Compound Interest and Depreciation.	166
Reverse Percentage Problems.	167
Factorising and Solving Quadratics	168
The Difference of Two Squares	169
Roots and Turning Points of Quadratics	170
Simultaneous Equations Algebraically	171
Geometric Progressions	172
Product of Three Binomials	173
Iteration - Trial and Improvement	174
Iterative Processes	175
Finding the Equation of a Straight Line.	176
Finding the n th Term of a Quadratic	177
Combinations of Transformations.	178
Pythagoras' Theorem - Using Algebra	179
Trigonometry.	180
Circle Theorems	181
Harder Tree Diagrams	182
Probability Using Venn Diagrams	183

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.

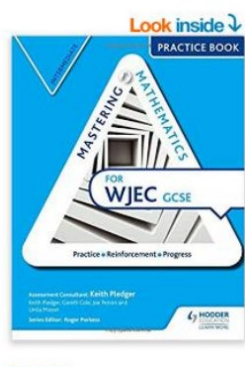


Helping your child to revise

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:

<u>MathsDIY</u> This website provides access to past paper questions, solutions and mark schemes. You will also find past paper questions which are grouped by topic.	<u>Mathswatch</u> 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.
<u>CorbettMaths</u> Videos and worksheets on every topic in Mathematics.	<u>BBC Bitesize</u> 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:



Mastering Mathematics for WJEC GCSE
Practice Book: Intermediate Paperback – 29 Jul 2016
by Keith Pledger (Author), Gareth Cole (Author), & 1 more
★★★★☆ 7 ratings
See all 9 formats and editions
Paperback
£9.99
5 Used from £8.94
12 New from £9.32
Get it Sat, 9 Nov. - Mon, 11 Nov. with FREE delivery.

QR Code:



Website:

https://www.amazon.co.uk/Mastering-Mathematics-WJEC-GCSE-Practice/dp/1471874605/ref=pd_bxgy_14_img_2/257-1476943-1643858?encoding=UTF8&pd_rd_i=1471874605&pd_rd_r=77738b16-5682-4dd0-b130-1f75df7acc23&pd_rd_w=0Q1Wn&pd_rd_wg=alN4T&pf_rd_p=655b7c7d-a17d-4637-9a0a-72a813e0d2cb&pf_rd_r=8SNRKWD16M0Q2WWA83HB&psc=1&refRID=8SNRKWD16M0Q2WWA83HB