

$g(x)$
cont
lines

$$f'(x) = \lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$$
$$f(x) = \lim_{h \rightarrow 0} (x^2 + 2xh + h^2)$$
$$= \lim_{h \rightarrow 0} \frac{x^2 + 2xh + h^2 - x^2}{h}$$
$$= \lim_{h \rightarrow 0} \frac{2xh + h^2}{h}$$
$$= \lim_{h \rightarrow 0} h(2x + h)$$

Everybody Counts

Maths Revision Session

- Mocks information
- Revision in lessons
- Revision at home
- Revision clubs after school
- Beyond GCSE
- Any questions

- **Mocks information**
- **Revision in lessons**
- **Revision at home**
- **Revision clubs after school**
- **Beyond GCSE**
- **Any questions**

AQA 8300

November Mocks:

Foundation: grades 1 to 5

Tuesday 11th November PM:

Paper 2- Calculator 1½ hours

Monday 17th November PM:

Paper 3- Calculator 1½ hours

Higher: grades 4 to 9

Tuesday 11th November PM:

Paper 2- Calculator 1½ hours

Monday 17th November PM:

Paper 3- Calculator 1½ hours



AQA 8300

February Mocks

Foundation: grades 1 to 5

Date TBC Paper 1:

Non-calculator 1½ hours

Higher: grades 4 to 9

Date TBC Paper 1:

Non-calculator 1½ hours



AQA 8300 Provisional dates

Foundation: grades 1 to 5

14/5/25 Paper 1 : Non Calculator 1½ hours

3/6/25 Paper 2: calculator 1½ hours

10/6/25 Paper 3: calculator 1½ hours

Higher: grades 4 to 9

14/5/25 Paper 1: Non Calculator 1½ hours

3/6/25 Paper 2: Calculator 1½ hours

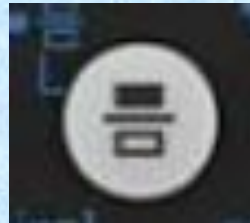
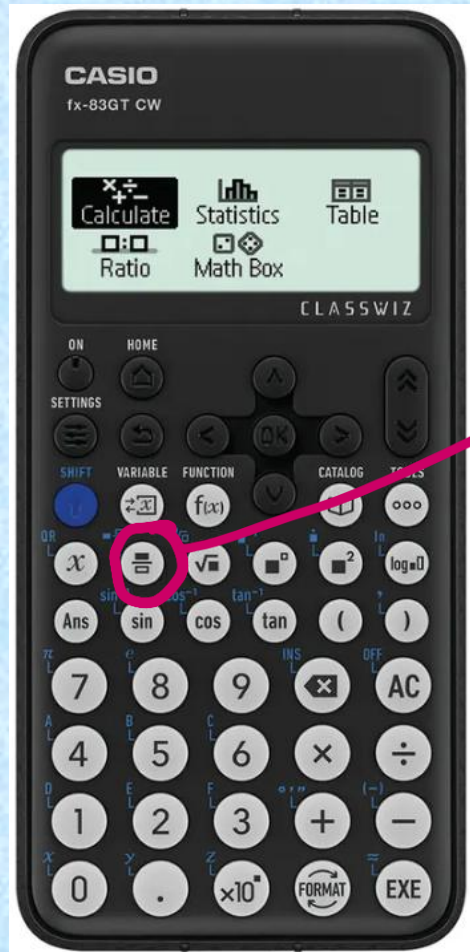
10/6/25 Paper 3: calculator 1½ hours

A large red circular graphic on the left side of the slide.

Equipment needed for GCSE Maths Exams

- Pen/pencil/ruler/rubber
 - Protractor
 - Compass
 - Scientific calculator for P2
and 3
- 
- A purple dashed line graphic in the bottom right corner of the slide.

Ideal Calculator



Final decisions with
regards to
Higher/Foundation
entry will be made
after the Non
Calculator February
mock exam.



Revision in lessons for the mocks

- Already started for most foundation groups
- Higher have more content
- Focus- applying knowledge to exam questions and jumping between topic areas



Revision in lessons after the mocks

- We will go back to teaching some topics we haven't covered already but aren't on the mocks.
- We will have finished all the new content by February. This is when we start the end of year revision work.



Mock revision at home- started in September

Mock Higher revision list

Year 11 November 2025 Calculator Mock
Computer Revision Higher

www.mymaths.co.uk

Login: thirsk Password: Triangle

Pupil Login: Pupil password:

Topic	GCSE 9-1 Curriculum		
Homework Sheets			
NUMBER			
Percentages	Percentages of amounts 1		
	Percentages of amounts 2		
	Percentage change 1		
	Reverse Percentages		
	Frac dec perc 1		
	Compound Interest		
	Depreciation		
Place Value	Inequalities and intervals (P1 only)		
Multiples and Factors	Highest Common Factor		
	Lowest Common Multiple		
Number activities- multiples and factors	Prime Factorisation		
Standard units	Units of length		
Estimating and Accuracy	Error intervals		
	Upper and Lower bounds 1		
	Upper and Lower bounds 2		
Fractions	Fractions of amounts		
ALGEBRA			
Equations- Linear	Equations 3- both sides		
Equations – Quadratic	Quadratic Formula		
	Quadratic Equations 1		
Algebraic Manipulation	Single brackets		
	Factorising Linear		
	Factorise Quadratics 2		
Sequences	Sequences		
	Arithmetic Sequences		
	Quadratic Sequences		
Graphs	$Y=mx+c$		
	Gradient and Intercept		
	Equation of a line 2		
	Equation of circles		
	Tangents and chords of curves		
	Real life graphs		
Inequalities	Shading Inequalities		
	Quadratic Inequalities		
Functions	Functions 2		

RATIO & PROPORTION			
Ratio	Ratio Introduction		
	Ratio Dividing 1		
	Ratio Dividing 2		
Scale Drawing	Map Scales		
	Scale Drawing		
Converting units	Measuring Lengths		
	Metric Conversion		
	Imperial Measures		
Compound Measures	Speed		
Proportion	Direct Proportion		
GEOMETRY			
Area and perimeter	Perimeter		
	Area of a circle		
	Circumference of a circle		
	Perimeter with semicircles and quarter circles		
Angle Properties	Sum of angles in a polygon		
Construction	Bearings		
Trigonometry	Trig Missing Sides		
	Sine Rule		
	Cosine Rule sides		
Transformations	Enlarging Shapes		
Vectors	Vectors 2		
Properties of 2d Shapes	Parts of a Circle		
Similarity	Similar Triangles		
	Area Scale Factor		
3D Shapes and Volume	Volume of Cylinders		
	Volume of Spheres		
PROBABILITY			
Probability	Simple Probability		
	Making tree diagrams		
	Independent events		
	Listing outcomes		
Venn Diagrams	Venn diagrams 1		
	Venn diagrams 2		
STATISTICS			
Collecting Data	Sampling		
Presenting data	Reading Pie Charts		
	Histograms		
	Cumulative Frequency 1		
Processing Data	Time Series		
	Mean of grouped Data 1		

Mock Foundation revision list

Year 11 November 2025 Calculator Mock

Computer Revision Foundation

www.mymaths.co.uk

Login: thirsk Password: Triangle

Pupil Login: Pupil password:

Topic	GCSE 9-1 Curriculum		
Homework Sheets			
NUMBER			
Percentages	Percentages of amounts 1		
	Percentages of amounts 2		
	Percentage change 1		
	Reverse Percentages		
	Frac dec perc 1		
Standard units	Money Calculations		
	Units of length		
Estimating and Accuracy	Error intervals		
Powers and roots	Squares and cubes		
Fractions	Fractions of amounts		
ALGEBRA			
Equations- Linear	Equations 1- one-step		
	Equations 2- multi-step		
	Equations 3- both sides		
Algebraic Manipulation	Simplifying 1		
	Simplifying 2		
	Single brackets		
	Factorising Linear		
Expressions and Formulae	Rules and Formulae		
	Rearranging 1 Q1		
	Function machines		
Sequences	Sequences		
	Arithmetic Sequences		
Coordinates	Coordinates 1- positive		
	Midpoint and line length 1		
Graphs	$Y=mx+c$		
	Gradient and intercept		
	Equation of a line 2		
RATIO & PROPORTION			
Ratio	Ratio Introduction		
	Ratio Dividing 1		
	Ratio Dividing 2		
Scale Drawing	Map Scales		
Converting units	Measuring Lengths		
	Metric Conversion		

	Imperial Measures		
Scale Drawing	Scale Drawing		
Proportion	Best buys and value for money		
	Unitary Method		
GEOMETRY			
Similarity	Similar triangles		
Area and perimeter	Area of a rectangle		
	Perimeter		
	Area of a right-angled triangle		
	Area of any triangle		
	Area of a circle		
	Circumference of a circle		
	Perimeter with semicircles and quarter circles		
Trigonometry	Trig Missing Sides		
Properties of 2D shapes	Congruent Triangles		
Construction	Bearings		
Pythagoras' Theorem	Pythagoras' Theorem		
PROBABILITY			
Probability	Making Tree Diagrams		
	Independent Probability		
	Listing Outcomes		
	Simple Probability		
	GCSE booster 3-4 simple probability		
	Relative frequency		
	Experimental probability		
Venn Diagrams	Venn diagrams 1		
	Venn diagrams 2		
STATISTICS			
Presenting data	Pictograms and bar charts		
	Frequency Tables and Bar Charts		
	Reading Pie Charts		
Processing Data	Median and Range		
	Mean and Mode		
	All Averages		
	Time Series		
Scatter graphs	Scatter Graphs		
	Line of Best Fit		



Extra websites students could use:

www.mymaths.co.uk

Login: thirsk Password:
triangle

www.corbettmaths.com

No login needed

www.mathsgenie.co.uk

No Login needed



Summer Exams revision at home

We start these in December



Maths - Y11 Maths Ready Set Go Revision Book 2025-26

A Copy of this document can be found in teams for easy access to the links to the help videos

Date (WB)	Page in revision book	Links to help videos	Tick
1/12/25	Two-way tables P10	https://www.mathsgenie.co.uk/two-way-tables.html	
	Frequency Trees P12	https://www.mathsgenie.co.uk/frequency-trees.html	
	Rounding P14	https://www.mathsgenie.co.uk/rounding.html	
	Error Intervals P16	https://www.mathsgenie.co.uk/error-intervals.html	
	Estimation P18	https://www.mathsgenie.co.uk/estimating.html	
	Use of calculator P20	https://www.mathsgenie.co.uk/use-of-calculator.html	
	Prime factors P22 HCF & LCM P26	https://www.mathsgenie.co.uk/HCF_LCM.html	
	Fractions P28	https://www.mathsgenie.co.uk/fractions.html	
	Writing a ratio in simplest form P30	https://www.mathsgenie.co.uk/writing-simplify-ratio.html	
	Ratio P32	https://www.mathsgenie.co.uk/ratio.html	
	Ratio-fraction or linear equation P34	https://www.mathsgenie.co.uk/ratio-fraction-or-linear-equation.html	
	Proportion P36	https://www.mathsgenie.co.uk/proportion.html	
	Best buys P38	https://www.mathsgenie.co.uk/best-buys.html	
	Recipe questions P40	https://www.mathsgenie.co.uk/recipe-questions.html	
	Exchange rates P42	https://www.mathsgenie.co.uk/exchange-rates.html	
	Proportion P44	https://www.mathsgenie.co.uk/proportion.html	
	Percentages P46	https://www.mathsgenie.co.uk/percentages.html	
	Percentage change P48	https://www.mathsgenie.co.uk/percentage-change.html	
	Compound interest P50	https://www.mathsgenie.co.uk/compound-interest.html	
	Reverse percentages P52	https://www.mathsgenie.co.uk/reverse-percentages.html	
	Indices P54	https://www.mathsgenie.co.uk/indices.html	
	Expanding and factorising: simplify P58	https://www.mathsgenie.co.uk/expanding-and-factorising-quadratics.html	
	Quadratics P60	https://www.mathsgenie.co.uk/quadratics.html	
	Solving Equations P62	https://www.mathsgenie.co.uk/solving-one-step-equations.html	
	Forming and solving Equations P64	https://www.mathsgenie.co.uk/forming-and-solving-equations.html	
	Inequalities P66	https://www.mathsgenie.co.uk/inequalities.html	
	Factorising 1 P68	https://www.mathsgenie.co.uk/expanding-and-factorising-quadratics.html	
	Factorising 2 P70	https://www.mathsgenie.co.uk/expanding-and-factorising-quadratics.html	
	Changing the subject P72	https://www.mathsgenie.co.uk/change-the-subject1.html	
9/2/26	Standard Form 1 P74	https://www.mathsgenie.co.uk/standard-form.html	
	Standard Form 2 P76	https://www.mathsgenie.co.uk/standard-form.html	
	Alternate/Corresponding Angles P78	https://www.mathsgenie.co.uk/angles-parallel.html	
	Interior and Exterior angles P80	https://www.mathsgenie.co.uk/angles-polygons.html	
16/2/26	Plans and Elevations P82	https://www.mathsgenie.co.uk/plans-and-elevations.html	
Half term	Constructions P84	https://www.mathsgenie.co.uk/loci-and-construction.html	
23/2/26	Bearings P86	https://www.mathsgenie.co.uk/bearings.html	



Revision after School

Every Monday 3:15 to 4:15

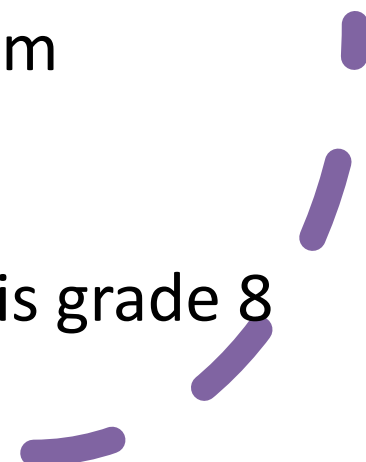
- 
- Grade 4/5 foundation club D14
 - Grade 6/7 higher club D17
 - Grade 8/9 higher club D15



Beyond GCSE

All students continue to study maths if they don't have a GCSE grade 4 or above

If your son/daughter is expressing an interest in

- **AS Mathematical Studies (Core Maths)**- minimum requirement is grade 5
 - **A level Maths** -minimum requirement is grade 7
 - **A Level Further Maths**- minimum requirement is grade 8
- 

Any Questions?



Everybody Counts

