



# Year 11 Foundation Maths GCSE Revision

Sul	bject	Papers	Duration		
Ma	thematics	3 papers	1hr 30 mins each		
		Paper 1 – Non-Calculator			
		Paper 2/3 – Calculator			
Ca	culator – Make sure you have a workir	ng Casio scientific calculator.			
	We sell the Casio calculators	on parentpay.			
We	ebsites to use	What is on there			
1	https://www.sparxmaths.uk/	Use the independent learning sec	tion to work on the		
		areas you struggled with on your mock. Ask you			
2	https://www.	teacher for specific areas			
2	nttps://corbettmatns.com/2023/02/15/	checklists, videos on specific topics, practice exam			
	gese maths summer 2025	Make sure you go on the AQA sec	tion if using the		
		practice papers.	C C		
		There will also be predicted pape	rs after Paper 1 so		
		check back then too.			
3	https://www.onmaths.com/	Unlimited predicted papers. Make sure you select the right tier (higher/foundation) and AOA and then work			
		right tier (higher/ foundation) and AQA and then work			
		for working out too	n and paper to hand		
4	https://www.mathsgenie.co.uk/AOApap	All the past papers are here with	mark schemes. When		
	ers.html	completing past papers:			
		1. Give yourself 1 hour and	30 mins to complete		
		it.	lata ta di antita a da		
		2. Anything you don't comp	lete in that time do		
		3. Mark your answers, make	e a list of any topics		
		you struggled with	, ,		
		4. Plan to do focused revisio	on on these topics		
		before you complete another	paper.		
Δ	Past naners – Set every fortnight in	When completing your past paper	a week		
-	lessons	1. Give yourself 1 hour and	30 mins to complete		
		it.			
		2. Anything you don't comp	lete in that time do		
		in a different colour			
		3. After marking your answe	ers, put your scores		
		into pinpoint to get your	5 key topics to work		
		on.			





### Grade 1-3 Number

Торіс	Topic code	R	Α	G
Ordering positive integers	U600			
Ordering decimals	U435			
Ordering negative numbers	U947			
Adding and subtracting positive integers	U417			
Multiplying and dividing positive integers	U127, U453			
Adding and subtracting negative numbers	U742			
Multiplying and dividing negative numbers	U548			
Adding and subtracting decimals	U478			
Multiplying and dividing with place value	U735			
Multiplying and dividing with decimals	U293, U868			
Order of operations	U976			
Prime numbers, prime factorisation	U236, U739			
Factors, multiples, HCF and LCM	U211, U751, U529			
Powers and roots	U851			
Using standard form	U330, U534			
Calculating with standard form	U264, U290, U161			
Equivalent fractions and simplifying fractions	U704, U646			
Mixed numbers and improper fractions	U692			
Ordering fractions	U746			
Addition and subtraction of fractions	U736, U793			
Multiplication and division of fractions	U475, U544			
Converting and ordering fractions, decimals	U888, U594			
and percentages				
Fractions of amounts	U881, U916			
Percentages of amounts	U554, U349			
Percentage change	U773, U671			
Reverse percentages	U286, U278			
Simple interest	U533			
Rounding	U480, U298			
Rounding to significant figures	U731, U965			
Estimating answers	U225			
Value for money	M681			





## Algebra

Торіс	Topic code	R	Α	G
Algebraic expressions	U613			
Collecting like terms	U105			
Substitution	U201, U585, U144			
Expanding brackets	U179, U768			
Factorising expressions	U365			
Index laws	U235, U694, U662, U103			
Changing the subject	U556			
Coordinates	U789, U889			
Midpoints	U933			
Plotting straight line graphs	U741			
Equations of straight line graphs	U315, U669			
Parallel lines	U377			
Distance-time graphs	U403, U914, U462, U966			
Quadratic graphs	U989, U667			
Linear equations	U755, U325, U870, U505,			
	U599			
Quadratic expressions and equations	U178, U228			
Linear sequences	U213, U530, U498, U978			
Other sequences	U958, U680			

## Ratio and proportion

Торіс	Topic code	R	Α	G
Simplifying ratios	U687			
Sharing amounts in a ratio	U753, U577			
Converting between ratios, fractions and	U176			
percentages				
Direct proportion	U721, U640			
Inverse proportion	U357, U364			
Proportion graphs	U238			
Units of measure: Length, Mass and Capacity	U102, U388			
Units of measure: Time	U902			
Units of measure: Area	U248			
Currency conversion	U610			
Conversion graphs	U652, U638, U862			
Compound units: Speed	U151			





## Geometry

Торіс	Topic code	R	Α	G
Properties of 2D shapes	U121, U849			
Properties of 3D shapes	U719			
Nets of 3D shapes	U761			
Angles: Measuring, Drawing and Estimating	U447			
Angle on a line and about a point	U390			
Vertically opposite angles	U730			
Angles on parallel lines	U826			
Angles in a triangle	U628			
Combining angle facts	U655			
Angles in a quadrilateral	U732, U329			
Angles in polygons	U427			
Bearings	U525, U107			
Translations	U196			
Reflections	U799			
Enlargements	U519			
Rotations	U696			
Congruence	U790, U866			
Area and perimeter of simple shapes	U993, U970, U351, U226			
Area of triangles, parallelograms and	U945, U575, U424, U265,			
trapeziums	U343			
Circles	U767			
Circumference	U604, U221			
Circle area	U950, U373			
Surface area	U929, U259, U871			
Volume of cuboids	U786			
Volume of prisms and cylinders	U174, U915			
Similar shapes	U551, U578			
Scale diagrams	U257			

## Probability

Торіс	Topic code	R	Α	G
Probability scale	U803			
Probability of single events	U408, U510, U683			
Experimental probability	U580			
Expected outcomes	U166			
Listing elements in a set	U748, U296			
Probability from Venn diagrams	U476			
Frequency trees	U280			
Sample space diagrams	U104			
Tree diagrams	U558, U729			





#### **Statistics**

Торіс	Topic code	R	Α	G
Collecting data, frequency tables	U322, U120			
Two-way tables	U981			
Bar charts	U363, U557			
Pictograms	U506			
Pie charts	U508, U172			
Stem and leaf diagrams	U200, U909			
Mode	U260			
Mean	U291			
Median	U456			
Range	U526			
Choosing averages	U717			
Scatter graphs	U199, U277, U128			

## Grade 4/5 Number

Торіс	Topic code	R	Α	G
Fractions	U224, U538, U793			
Factors, multiples and primes	U739, U250			
Percentage change	U671, U332, U988			
Standard form	U330, U534, U264, U290			
Error intervals	U657			

#### Algebra

Торіс	Topic code	R	Α	G
Linear equations	U325, U870, U599			
Linear inequalities	U759, U738, U145, U337			
Index laws	U662			
Linear simultaneous equations	U760, U757, U836, U137			
Linear graphs and coordinates	U315, U669, U477, U848, U377			
Quadratic graphs and equations	U989, U667, U228, U601			





#### **Ratio and proportion**

Торіс	Topic code	R	Α	G
Ratio	U687, U753, U176, U577, U921, U865			
Speed	U151			
Density and pressure	U910, U527			
Proportion	U721, U357, U610			

#### Geometry

Торіс	Topic code	R	Α	G
Area	U226, U343, U950			
Volume	U786, U174, U915			
Angles	U655, U826, U329, U427			
Pythagoras' theorem	U385			
Trigonometry	U605, U283, U545			
Transformations	U196, U799, U696, U519, U766			

#### **Probability and Statistics**

Торіс	Topic code	R	Α	G
Calculating probabilities	U408, U510, U683, U580			
Expected outcomes	U166			
Tree diagrams	U558, U729			
Set notation	U748, U296			
Averages	U717, U569			
Averages with grouped data	U877			
Sampling	U162			
Scatter graphs	U199, U277, U128			
Frequency polygons	U840			