

# GCSE Revision 2025

## Foundation Topics



Week	Revision topic
17 <sup>th</sup> Feb	Statistics – Charts and Diagrams
24 <sup>th</sup> Feb	Statistics – Averages
3 <sup>rd</sup> March	Algebra – Algebra skills
10 <sup>th</sup> March	Algebra – Graphs
17 <sup>th</sup> March	Ratio – Ratio; Proportion
24th March	Ratio – Units
31 <sup>st</sup> March	Geometry – Area and perimeter; Circles; 3D shapes
7 <sup>th</sup> April	Geometry – Angles
14 <sup>th</sup> April	Geometry – Transformations
21 <sup>st</sup> April	Probability
28 <sup>th</sup> April	Number – Fractions; Percentages
5 <sup>th</sup> May	Number – Calculations; Primes, factors and indices; Rounding

Name:

### Number

	Topic	Topic code	R	A	G
Calculations	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			
Primes, Factors and Indices	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			
Fractions	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			
Percentages	Fractions of amounts	U881, U916			
	Converting and ordering fractions, decimals and percentages	U888, U594			
	Percentages of amounts	U554, U349			
	Percentage change	U773, U671			
	Reverse percentages	U286, U278			
Rounding	Simple interest	U533			
	Rounding	U480, U298			
	Rounding to significant figures	U731, U965			
	Estimating answers	U225			

### Algebra

	Topic	Topic code	R	A	G
Algebra Skills	Algebraic expressions	U613			
	Collecting like terms	U105			
	Substitution	U201, U585, U144			
	Expanding brackets	U179, U768			
	Factorising expressions	U365			
	Index laws	U235, U694, U662, U103			
Graphs	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			
Equations	Linear equations	U755, U325, U870, U505, U599			
	Changing the subject	U556			
	Quadratic expressions and equations	U178, U228			
Sequences	Linear sequences	U213, U530, U498, U978			
	Other sequences	U958, U680			

### Ratio and proportion

	Topic	Topic code	R	A	G
Ratio	Simplifying ratios	U687			
	Sharing amounts in a ratio	U753, U577			
	Converting between ratios, fractions and percentages	U176			
Proportion	Value for money	M681			
	Direct proportion	U721, U640			
	Inverse proportion	U357, U364			
	Proportion graphs	U238			
Units	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

	Topic	Topic code	R	A	G
Angles	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			
Transformations	Properties of 2D shapes	U121, U849			
	Translations	U196			
	Reflections	U799			
	Enlargements	U519			
	Rotations	U696			
	Congruence	U790, U866			
	Similar shapes	U551, U578			
Area and Perimeter	Scale diagrams	U257			
	Area and perimeter of simple shapes	U993, U970, U351, U226			
	Area of triangles, parallelograms and trapeziums	U945, U575, U424, U265, U343			
Circles	Circles	U767			
	Circumference	U604, U221			
	Circle area	U950, U373			
3D shapes	Properties of 3D shapes	U719			
	Nets of 3D shapes	U761			
	Surface area	U929, U259, U871			
	Volume of cuboids	U786			
	Volume of prisms and cylinders	U174, U915			

### Probability

Topic	Topic code	R	A	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

	Topic	Topic code	R	A	G
Charts and diagrams	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			
	Scatter graphs	U199, U277, U128			
Averages	Mode	U260			
	Mean	U291			
	Median	U456			
	Range	U526			
	Choosing averages	U717			