

GCSE Maths Higher Tier Topics for PPEs

Number	Proportion	Algebra	Geometry	Data	Probability
Bounds calculation	Area and proportion	Composite function equation	3D problem	Criticising a box plot	Best estimate of probability
Compound interest	Average acceleration and units	Difference of two squares	Arc length	Cumulative frequency graph	Probability and ratio
Converting Decimal to fraction	Average speed	Equation of a line	Area of triangles	Cumulative frequency table	Probability with two events
Finding Error intervals	Density	Expansion and rearrangement	Area trapezium and trigonometry	Frequency table and histogram	Range and relative frequency
Fibonacci-type sequence	Direct proportion	Exponential graph	Constructions	Mean and percentage	Tree diagram
Fraction >1	Distance from speed time graph	Forming equation	Coordinates	Mean and ratio	Venn diagram, conditional probability
Indices	Inverse proportion graph	Inequalities	Enlargement fractional scale factor	Median with grouped data	
LCM	Ratio	Inverse function	Equation of circle, ratio, cosine rule	Types of data	
Limits	Ratio Problem Solving	Laws of indices	Estimation and volume	Venn diagram	
Percentages	Sharing ratio problem	Multiplication of algebraic fractions	Exact trigonometric values	Venn Diagram shading	
Product rule for counting		Perpendicular gradients	Geometry proof		
Recurring decimal to fraction		Product of three brackets	Invariance		
Reverse percentage		Quadratic equation formula	Parallel vector		
Roots		Quadratic inequality	Pythagoras, area and ratio		
Square mixed number		Reading from a graph	Similar triangles		
Standard form		Rearrange formula	Similarity		
Surds		Set up and solve an equation	Surface area		
		Simplify algebraic fraction	Trigonometric function		
		Simultaneous equations	Vector addition		
		Sketch cubic curve	Vector geometry		
		Straight line graph problem			
		Turning point			