Paper 1H -

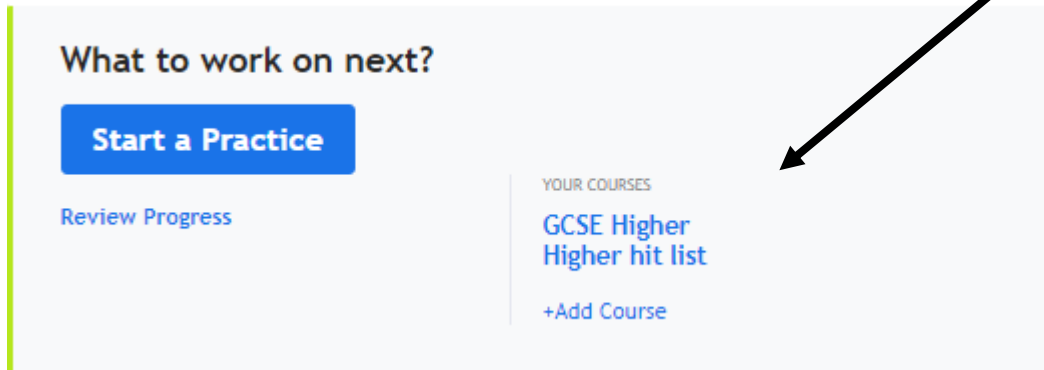| Number	Algebra	Geometry and Measures	Statistics and Probability	Ratio, Proportion and Rates of Change
• Estimation • Standard form • Reverse percentages • Converting recurring decimals • Simplifying with surds	• Inequalities • Plotting graphs from tables(quad, cubic, reciprocal) • Equation of a line • Rearranging formulae • Sequences including proof • Functions and inverse functions	• Area of 2D shapes • SDT • Describing transformations (negative enlargement included) • Circle theorems • Speed-time graphs • Perimeter of sector	• Cumulative frequency (reading) • Probability – combined events	• Multi-step fraction, percentage and ratio calculations • Proportionality equations •

Paper 2H *indicates difficult question

Number	Algebra	Geometry and Measures	Statistics and Probability	Ratio, Proportion and Rates of Change
• Using a calculator • Compound interest • Bounds • Iteration	• Forming and solving linear equations • Solve equations with unknowns on both sides • Solving quadratics • Inequalities – shade regions • Equations of lines • Expand triple brackets • Completing the square	• Pythagoras' Theorem • Right-Angled trig • SINE rule • DMV • PFA with bounds • Gradient of a line (speed/time)	• Relative frequency • Scatter diagrams • Product rule	• Ratio and area problem

Paper 3H *indicates end of paper question

Number	Algebra	Geometry and Measures	Statistics and Probability	Ratio, Proportion and Rates of Change
• HCF/LCM using product of primes • Error intervals • Percentages of amounts • Percentage profit • Reverse compound interest • Iteration	• Turning point from graph • Quadratic Nth term • Simplifying algebraic fractions with factorising quadratics with a coefficient >1 • Rearranging formulae	• Volume of a cylinder • Column vector from co-ordinates • Prove similarity • Surface area of a cone and sphere (with formulae) • Area of a triangle (1/2abSinC) • COSINE rule	• Mean from a grouped frequency table • Box plots • Distance from a speed/time graph • Probability from Venn diagram (create your own)*	• Inverse proportion (not equation)

How to revise?

Log into Dr Frost and you will see an option for your courses.

Select the course and you will see every subtopic of the maths GCSE for you to browse through and pick and choose what you would like to revise. Use the revision list to prioritise certain topics. Email your teacher if you need any further guidance.