

Topic tracker: number, algebra and ratio

Name _____

Exam board _____

Rate each topic: R = not yet, A = getting there, G = confident. H = Higher tier only.

Topic	R	A	G	Practised on	Notes
Number					
Place value, ordering, negative numbers	☐	☐	☐		
Fractions, decimals and percentages	☐	☐	☐		
Factors, multiples, primes, HCF and LCM	☐	☐	☐		
Powers, roots and index laws	☐	☐	☐		
Fractional indices H	☐	☐	☐		
Standard form	☐	☐	☐		
Rounding, estimation, significant figures	☐	☐	☐		
Error intervals	☐	☐	☐		
Upper and lower bounds in calculations H	☐	☐	☐		
Surds H	☐	☐	☐		
Recurring decimals to fractions H	☐	☐	☐		
Product rule for counting	☐	☐	☐		
Algebra					
Simplifying, substituting, expanding	☐	☐	☐		
Factorising, including quadratics	☐	☐	☐		
Changing the subject of a formula	☐	☐	☐		
Linear equations and inequalities	☐	☐	☐		
Simultaneous linear equations	☐	☐	☐		
Simultaneous equations, one quadratic H	☐	☐	☐		
Solving quadratics by factorising	☐	☐	☐		
Quadratic formula, completing the square H	☐	☐	☐		
Quadratic inequalities H	☐	☐	☐		
Straight-line graphs, $y = mx + c$	☐	☐	☐		
Quadratic, cubic and reciprocal graphs	☐	☐	☐		
Exponential and trigonometric graphs H	☐	☐	☐		
Sequences and nth term	☐	☐	☐		
nth term of quadratic sequences H	☐	☐	☐		
Functions: composite and inverse H	☐	☐	☐		
Algebraic proof H	☐	☐	☐		
Iteration H	☐	☐	☐		
Equation of a circle, tangents H	☐	☐	☐		
Transforming graphs, gradients and areas H	☐	☐	☐		
Ratio, proportion and rates of change					
Ratio and sharing in a ratio	☐	☐	☐		
Direct and inverse proportion	☐	☐	☐		
Percentages, growth and decay	☐	☐	☐		
Speed, density and pressure	☐	☐	☐		