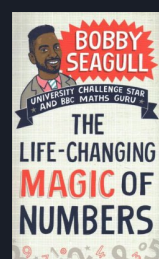
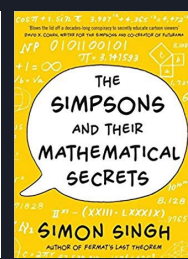
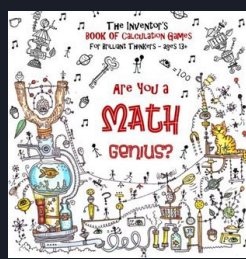


Year 10-H Mathematics

Algebraic Manipulation

Basic Algebra, Factorisation, Quadratic Expansion, Expanding Squares, More than two binomials, Quadratic Factorisation, Factorising ax^2+bx+c , Changing the subject of a formula



Reading Books

Linear Graphs

Draw graphs from points, gradient-intercept method, equation of a line from the graph, real-life use of graphs, simultaneous equations, parallel and perpendicular lines

Right-angled Triangles

3D Pythagoras', trigonometry to find missing lengths and angles, applied trigonometry to solve problems involving isosceles triangles. Bearings and trigonometry.



Similarity, Probability & Standard Form

Similar triangles, areas and volumes of similar shapes, experimental probability, expectation, two-way tables, frequency trees, Venn diagrams powers, multiplying and dividing using standard form

Autumn Test

1 x Calculator Paper



Equations & Inequalities

Linear equations, elimination, substitution, balancing coefficients, solving problems, linear inequalities, trial and improvement



Mid-Year Test

1 x Non-Calculator Paper
1 x Calculator Paper

Count, Accuracy, Power & Surds



DID YOU KNOW?

The famous NBA 24 second shot was created using an quadratic equation



Rational numbers, reciprocals, terminating and recurring decimals, estimation, powers and roots, negative and fractional indices, surds, solving problems using limits of accuracy, choices and outcomes



Quadratic Equations

Plotting quadratics, solving by quadratic formula, solving by completing the square, significant points of a quadratic curve, solve linear and non-linear, solve by intersection, quadratic simultaneous equations and quadratic inequalities

Probability

Combined events, addition rules, probability tree diagrams, independent events, conditional probability



Statistics

Sampling data, frequency polygons, cumulative frequency graphs, box plots, comparing data and histograms

End of Year Test

1 x Non Calculator
1 x Calculator



Variation

Direct and inverse proportion

DID YOU KNOW?

People who were good at maths as young children go on to earn more than other similar children by the time they are 30, a study has found. Source: BBC NEWS



2024-25