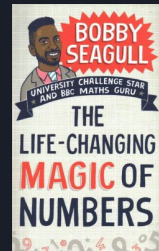
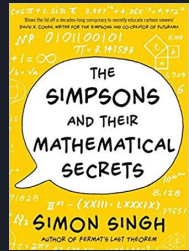
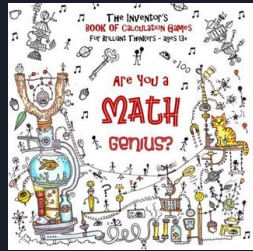


Year 10-F Mathematics

Expressions & Formulae

Basic algebra, substitution, expanding brackets, factorization, quadratic expansion, quadratic factorization, and changing the subject of a formula



Reading Books

Linear Graphs

Graphs and equations, gradient of a line, $y = mx + c$, find the equation from a graph, parallel lines, real life graphs, simultaneous equations using graphs



Ratio, Speed & Proportion

Ratio, speed, distance, time, direct proportion and best buys



Autumn Test

1 x Calculator Paper

Transformations & Probability

Rotational symmetry, translations, reflections, rotations, enlargements, combined transformations, calculating probabilities, probability of not happening, mutually exclusive events, experimental probability, expected outcomes and choices



Volumes & Surface Area

3D Shapes, volume and surface area of a cuboid, volume and surface area of a prism and cylinder



Mid-Year Test

1 x Non-Calculator Paper
1 x Calculator Paper



DID YOU KNOW?

A googol is the large number 10^{100} . In decimal notation, it is written as the digit 1 followed by one hundred zeroes.

Linear Equations

Solving linear equations using the balance method, sole equations with brackets, solve equations with an unknown on both sides



Percentages

Equivalence, Percentage of a quantity, increase/decrease, one quantity as a percentage of another, compound measures, compound interest, repeated percentage change, reverse percentages, direct and inverse proportion.

Curved Shapes & Pyramids

Sectors, pyramids, cones and spheres.



Constructions & Loci

Constructing triangles, angles, bisectors, perpendicular bisectors, defining a locus, loci problems



Statistics

Sampling, pie charts, scatter diagrams and lines of best fit, grouped data and averages

End of Year Test

1 x Non Calculator
1 x Calculator

DID YOU KNOW?

A locus (plural: loci) (Latin word for "place", "location") is a set of all points (commonly, a line, a line segment, a curve or a surface), whose location satisfies or is determined by one or more specified conditions.



2024-25