Paper 1 Foundation Calculator

- Types of numbers- factors, primes, multiples etc
- Fraction, decimal and percentage equivalence.
- Sequences
- Outcomes from an experiment and finding a probability.
- Expanding brackets and factorizing
- Venn diagram
- Real life problems involving money and fractions.
- Averages
- Area of a circle
- Percentage increase and decrease
- Rounding
- Simplifying in algebra
- Drawing a linear graph from a table of values.
- Pythagoras
- Ratio
- Estimation of the mean from grouped data

Paper 2 Foundation Non- Calculator

- Symmetry- line and rotational
- Fractions- finding a fraction of a quantity, arithmetic with fractions.
- Naming shapes by using their properties.
- Mean, mode, median and range.
- Using a conversion graph
- Powers and roots of numbers
- Finding the equation of a line.
- Working with decimals
- Rounding to significant figures.
- Standard form
- Changing the subject
- Expanding brackets
- Area of a circle
- Finding a percentage.

Higher Calculator Paper

- Percentage profit
- Change of units- length and time
- Pythagoras
- Volume of 3D shapes- cylinder and sphere
- Prime factors, HCF and LCM
- Quadratic Graph
- Histogram
- Proportionality
- Box Plot
- Factorising
- Quadratic sequence
- Ratio
- Trigonometry
- Tree Diagram

Higher Non Calculator Paper

- Arithmetic with fractions
- Compound Interest
- Change of subject
- Factorisation- linear and quadratic
- Averages- mean, mode, median and range
- Solving Inequalities and equations
- Percentage problems
- Probability
- Standard form
- Sectors
- Completion of the square
- Surds
- Expansion of brackets
- Trigonometry and exact values
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