## Paper 1 (Non-Calculator)

Multiplying and dividing fractions, decimals & integers
Inequality
Square a mixed number
Angles on a line with ratio
Prime number problems
Fractions in a ratio problem
Product of prime factors
Expand & simplify
Criticise reciprocal graph
Forming & solving an equation, using mean
Probability & set notation
Standard form
Number machine & assess argument with function
Medina, IQR & range problem
Geometric deductions with trapezium
Linear simultaneous equations
Surface area of sphere & cylinder, ratio
Cube root
Product rule for counting
Proportion & equations
Competing the square
Calculating surds
Recurring decimal to fraction
Perpendicular lines
Exact trig values & rationalising
Square/circle perimeter ratio
Speed, distance, time & unit conversion

## Paper 2 (Calculator)

Triangular numbers  Reciprocal  Original value after percentage change  Ratio problem  Exterior angle of polygon & assumptions  Sample space diagram, probability & expected amount  Identities  Coordinate problem  Describe translation as vectors  Hemisphere volume problem  Similar rectangles  Change compound units in algebraic context  Grouped data & percentages & estimating the mean  Expand two binomials  Gradient of lines  Trigonometry problem  Rearrange a formula  nth term of a quadratic sequence  Angle at the centre & evaluate methods  Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions  Transforming graphs	Ratio in the form n:1
Original value after percentage change Ratio problem Exterior angle of polygon & assumptions Sample space diagram, probability & expected amount Identities Coordinate problem Describe translation as vectors Hemisphere volume problem Similar rectangles Change compound units in algebraic context Grouped data & percentages & estimating the mean Expand two binomials Gradient of lines Trigonometry problem Rearrange a formula nth term of a quadratic sequence Angle at the centre & evaluate methods Compound interest Iterative formula Conditional probability Bounds calculation Algebraic fractions	Triangular numbers
Exterior angle of polygon & assumptions  Sample space diagram, probability & expected amount Identities  Coordinate problem  Describe translation as vectors Hemisphere volume problem  Similar rectangles Change compound units in algebraic context  Grouped data & percentages & estimating the mean  Expand two binomials  Gradient of lines  Trigonometry problem  Rearrange a formula  nth term of a quadratic sequence  Angle at the centre & evaluate methods  Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	Reciprocal
Exterior angle of polygon & assumptions  Sample space diagram, probability & expected amount  Identities  Coordinate problem  Describe translation as vectors  Hemisphere volume problem  Similar rectangles  Change compound units in algebraic context  Grouped data & percentages & estimating the mean  Expand two binomials  Gradient of lines  Trigonometry problem  Rearrange a formula  nth term of a quadratic sequence  Angle at the centre & evaluate methods  Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	Original value after percentage change
Sample space diagram, probability & expected amount  Identities  Coordinate problem  Describe translation as vectors  Hemisphere volume problem  Similar rectangles  Change compound units in algebraic context  Grouped data & percentages & estimating the mean  Expand two binomials  Gradient of lines  Trigonometry problem  Rearrange a formula  nth term of a quadratic sequence  Angle at the centre & evaluate methods  Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	Ratio problem
Identities  Coordinate problem  Describe translation as vectors  Hemisphere volume problem  Similar rectangles  Change compound units in algebraic context  Grouped data & percentages & estimating the mean  Expand two binomials  Gradient of lines  Trigonometry problem  Rearrange a formula  nth term of a quadratic sequence  Angle at the centre & evaluate methods  Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	Exterior angle of polygon & assumptions
Coordinate problem  Describe translation as vectors  Hemisphere volume problem  Similar rectangles  Change compound units in algebraic context  Grouped data & percentages & estimating the mean  Expand two binomials  Gradient of lines  Trigonometry problem  Rearrange a formula  nth term of a quadratic sequence  Angle at the centre & evaluate methods  Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	Sample space diagram, probability & expected amount
Describe translation as vectors  Hemisphere volume problem  Similar rectangles  Change compound units in algebraic context  Grouped data & percentages & estimating the mean  Expand two binomials  Gradient of lines  Trigonometry problem  Rearrange a formula  nth term of a quadratic sequence  Angle at the centre & evaluate methods  Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	Identities
Hemisphere volume problem  Similar rectangles  Change compound units in algebraic context  Grouped data & percentages & estimating the mean  Expand two binomials  Gradient of lines  Trigonometry problem  Rearrange a formula  nth term of a quadratic sequence  Angle at the centre & evaluate methods  Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	Coordinate problem
Similar rectangles  Change compound units in algebraic context  Grouped data & percentages & estimating the mean  Expand two binomials  Gradient of lines  Trigonometry problem  Rearrange a formula  nth term of a quadratic sequence  Angle at the centre & evaluate methods  Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	Describe translation as vectors
Change compound units in algebraic context  Grouped data & percentages & estimating the mean  Expand two binomials  Gradient of lines  Trigonometry problem  Rearrange a formula  nth term of a quadratic sequence  Angle at the centre & evaluate methods  Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	Hemisphere volume problem
Grouped data & percentages & estimating the mean  Expand two binomials  Gradient of lines  Trigonometry problem  Rearrange a formula  nth term of a quadratic sequence  Angle at the centre & evaluate methods  Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	Similar rectangles
Expand two binomials  Gradient of lines  Trigonometry problem  Rearrange a formula  nth term of a quadratic sequence  Angle at the centre & evaluate methods  Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	Change compound units in algebraic context
Gradient of lines  Trigonometry problem  Rearrange a formula  nth term of a quadratic sequence  Angle at the centre & evaluate methods  Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	Grouped data & percentages & estimating the mean
Trigonometry problem  Rearrange a formula  nth term of a quadratic sequence  Angle at the centre & evaluate methods  Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	Expand two binomials
Rearrange a formula  nth term of a quadratic sequence  Angle at the centre & evaluate methods  Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	Gradient of lines
nth term of a quadratic sequence  Angle at the centre & evaluate methods  Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	Trigonometry problem
Angle at the centre & evaluate methods  Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	Rearrange a formula
Compound interest  Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	nth term of a quadratic sequence
Iterative formula  Conditional probability  Bounds calculation  Algebraic fractions	Angle at the centre & evaluate methods
Conditional probability  Bounds calculation  Algebraic fractions	Compound interest
Bounds calculation  Algebraic fractions	Iterative formula
Algebraic fractions	Conditional probability
	Bounds calculation
Transforming graphs	Algebraic fractions
	Transforming graphs

## Paper 3 (Calculator)

y-intercept of a straight line
Decimal to a fraction
Equation with unknown on both sides
Scale on a map
Compound percentage decrease
Cuboid surface area
Quadratic table of values & drawing a quadratic graph
Ratio problem
Pie chart
Trigonometry
Estimation
Sample size with spinner & relative frequency
Speed, distance, time
Income tax & NI
Interpret histogram & draw box plot
Pythagoras, ratio & area
Linear equation with fractions
Functions & quadratic equations
Algebraic proof
Inverse proportion graph & direct proportion
Solid shapes & elevations
Transformations
Cosine & sine rule & bearings