

Questions by Topic

Section 1 : Number

Integers, HCF/LCM, Prime numbers, Sig Figs, Dec Places(Ext) - 1

Integers, HCF/LCM, Prime numbers, Sig Figs, Dec Places(Ext) - 2

Sets & Venn Diagrams (Ext) - 1

Sets & Venn Diagrams (Ext) - 2

Sets & Venn Diagrams (Ext) - 3

Sets & Venn Diagrams (Ext) - 4

Sets & Venn Diagrams (Ext) - 5

Square & Cube Numbers (Ext) - 1

Conversion - Percentages, Fractions & Decimals (Ext) - 1

Conversion - Percentages, Fractions & Decimals (Ext) - 2

Conversion - Percentages, Fractions & Decimals (Ext) - 3

Order by Size (Ext) - 1

Standard Form (Ext) - 1

Standard Form (Ext) - 2

Fractions & Decimals (Ext) - 1

Fractions & Decimals (Ext) - 2

Estimation (Ext) - 1

Bounds (Ext) - 1

Bounds (Ext) - 2

Bounds (Ext) - 3

Ratios (inc scales) (Ext) - 1

Ratios (inc scales) (Ext) - 2

Ratios (inc scales) (Ext) - 3

Ratios (inc scales) (Ext) - 4

Ratios (inc scales) (Ext) - 5

Percentages (Ext) - 1

Percentages (Ext) - 2

Percentages (Ext) - 3

Percentages (Ext) - 4

Percentages (Ext) - 5

Percentages (Ext) - 6

Percentages (Ext) - 7

Percentages (Ext) - 8

Using a calculator (Ext) - 1

Time (Ext) - 1

Time (Ext) - 2

Currency Conversions (Ext) - 1

Currency Conversions (Ext) - 2

Finance Problems (Ext) - 1

Finance Problems (Ext) - 2

Finance Problems (Ext) - 3

Finance Problems (Ext) - 4

Finance Problems (Ext) - 5

Finance Problems (Ext) - 6

Exponential Growth/Decay (inc Compound Int.) (Ext) - 1
Exponential Growth/Decay (inc Compound Int.) (Ext) - 2

Section 2 : Algebra and graphs

Using Algebra to Solve Problems (Ext) - 1
Using Algebra to Solve Problems (Ext) - 2
Using Algebra to Solve Problems (Ext) - 3
Using Algebra to Solve Problems (Ext) - 4
Using Algebra to Solve Problems (Ext) - 5
Using Algebra to Solve Problems (Ext) - 6

Factorisation (Linear) (Ext) - 1
Factorisation (Linear) (Ext) - 2
Factorisation (Linear) (Ext) - 3

Algebraic Fractions (Ext) - 1
Algebraic Fractions (Ext) - 2
Algebraic Fractions (Ext) - 3
Algebraic Fractions (Ext) - 4
Algebraic Fractions (Ext) - 5

Indices (Ext) - 1
Indices (Ext) - 2
Indices (Ext) - 3

Linear Equations (Ext) - 1
Linear Equations (Ext) - 2

Simultaneous Linear Equations (Ext) - 1
Simultaneous Linear Equations (Ext) - 2

Simultaneous Linear Equations (Ext) - 3
Simultaneous Linear Equations (Ext) - 4

Linear Inequalities (Ext) - 1
Linear Inequalities (Ext) - 2

Quadratic Equations (Ext) - 1
Quadratic Equations (Ext) - 2
Quadratic Equations (Ext) - 3
Quadratic Equations (Ext) - 4
Quadratic Equations (Ext) - 5
Quadratic Equations (Ext) - 6
Quadratic Equations (Ext) - 7
Quadratic Equations (Ext) - 8
Quadratic Equations (Ext) - 9
Quadratic Equations (Ext) - 10
Quadratic Equations (Ext) - 11
Quadratic Equations (Ext) - 12
Quadratic Equations (Ext) - 13

Graphical Inequalities (Ext) - 1
Graphical Inequalities (Ext) - 2
Graphical Inequalities (Ext) - 3
Graphical Inequalities (Ext) - 4
Graphical Inequalities (Ext) - 5
Graphical Inequalities (Ext) - 6

Sequences & nth Term (Ext) - 1
Sequences & nth Term (Ext) - 2
Sequences & nth Term (Ext) - 3
Sequences & nth Term (Ext) - 4

Sequences & nth Term (Ext) - 5
Sequences & nth Term (Ext) - 6
Sequences & nth Term (Ext) - 7
Sequences & nth Term (Ext) - 8
Sequences & nth Term (Ext) - 9
Sequences & nth Term (Ext) - 10
Sequences & nth Term (Ext) - 11

Direct/Inverse Proportionality (Ext) - 1
Direct/Inverse Proportionality (Ext) - 2
Direct/Inverse Proportionality (Ext) - 3

Kinematics, Distance-Time & Speed-Time Graphs (Ext) - 1
Kinematics, Distance-Time & Speed-Time Graphs (Ext) - 2
Kinematics, Distance-Time & Speed-Time Graphs (Ext) - 3
Kinematics, Distance-Time & Speed-Time Graphs (Ext) - 4
Kinematics, Distance-Time & Speed-Time Graphs (Ext) - 5
Kinematics, Distance-Time & Speed-Time Graphs (Ext) - 6

Constructing Graphs & Solving Equations Graphically (Ext) - 1
Constructing Graphs & Solving Equations Graphically (Ext) - 2
Constructing Graphs & Solving Equations Graphically (Ext) - 3
Constructing Graphs & Solving Equations Graphically (Ext) - 4
Constructing Graphs & Solving Equations Graphically (Ext) - 5
Constructing Graphs & Solving Equations Graphically (Ext) - 6
Constructing Graphs & Solving Equations Graphically (Ext) - 7
Constructing Graphs & Solving Equations Graphically (Ext) - 8
Constructing Graphs & Solving Equations Graphically (Ext) - 9
Constructing Graphs & Solving Equations Graphically (Ext) - 10
Constructing Graphs & Solving Equations Graphically (Ext) - 11
Constructing Graphs & Solving Equations Graphically (Ext) - 12

Constructing Graphs & Solving Equations Graphically (Ext) - 13
Constructing Graphs & Solving Equations Graphically (Ext) - 14
Constructing Graphs & Solving Equations Graphically (Ext) - 15
Constructing Graphs & Solving Equations Graphically (Ext) - 16
Constructing Graphs & Solving Equations Graphically (Ext) - 17

Tangents & Gradients (Ext) - 1
Tangents & Gradients (Ext) - 2
Tangents & Gradients (Ext) - 3
Tangents & Gradients (Ext) - 4

Functions (Ext) - 1
Functions (Ext) - 2
Functions (Ext) - 3
Functions (Ext) - 4
Functions (Ext) - 5
Functions (Ext) - 6
Functions (Ext) - 7
Functions (Ext) - 8
Functions (Ext) - 9

Section 3 : Geometry

Properties of Shapes (Ext) - 1
Properties of Shapes (Ext) - 2

Construction (Ext) - 1
Construction (Ext) - 2
Construction (Ext) - 3
Construction (Ext) - 4
Construction (Ext) - 5

Similarity (Ext) - 1

Similarity (Ext) - 2

Symmetry (inc. Circles) (Ext) - 1

Angles (Circles, Quadrilaterals, Polygons & Triangles) (Ext) - 1

Angles (Circles, Quadrilaterals, Polygons & Triangles) (Ext) - 2

Angles (Circles, Quadrilaterals, Polygons & Triangles) (Ext) - 3

Angles (Circles, Quadrilaterals, Polygons & Triangles) (Ext) - 4

Angles (Circles, Quadrilaterals, Polygons & Triangles) (Ext) - 5

Angles (Circles, Quadrilaterals, Polygons & Triangles) (Ext) - 6

Angles (Circles, Quadrilaterals, Polygons & Triangles) (Ext) - 7

Angles (Circles, Quadrilaterals, Polygons & Triangles) (Ext) - 8

Angles (Circles, Quadrilaterals, Polygons & Triangles) (Ext) - 9

Angles (Circles, Quadrilaterals, Polygons & Triangles) (Ext) - 10

Loci (Ext) - 1

Section 4 : Mensuration (Perimeters, Areas & Volumes)

2D Shapes: Perimeters & Areas (Ext) - 1

2D Shapes: Perimeters & Areas (Ext) - 2

2D Shapes: Perimeters & Areas (Ext) - 3

2D Shapes: Perimeters & Areas (Ext) - 4

2D Shapes: Perimeters & Areas (Ext) - 5

2D Shapes: Perimeters & Areas (Ext) - 6

2D Shapes: Perimeters & Areas (Ext) - 7

2D Shapes: Perimeters & Areas (Ext) - 8

2D Shapes: Perimeters & Areas (Ext) - 9

2D Shapes: Perimeters & Areas (Ext) - 10

2D Shapes: Perimeters & Areas (Ext) - 11

Circle Problems (Area, Circumference, Arcs) (Ext) - 1
Circle Problems (Area, Circumference, Arcs) (Ext) - 2
Circle Problems (Area, Circumference, Arcs) (Ext) - 3
Circle Problems (Area, Circumference, Arcs) (Ext) - 4

3D Shapes: Volumes & Surface Areas (Ext) - 1
3D Shapes: Volumes & Surface Areas (Ext) - 2
3D Shapes: Volumes & Surface Areas (Ext) - 3
3D Shapes: Volumes & Surface Areas (Ext) - 4
3D Shapes: Volumes & Surface Areas (Ext) - 5
3D Shapes: Volumes & Surface Areas (Ext) - 6
3D Shapes: Volumes & Surface Areas (Ext) - 7
3D Shapes: Volumes & Surface Areas (Ext) - 8
3D Shapes: Volumes & Surface Areas (Ext) - 9
3D Shapes: Volumes & Surface Areas (Ext) - 10
3D Shapes: Volumes & Surface Areas (Ext) - 11
3D Shapes: Volumes & Surface Areas (Ext) - 12
3D Shapes: Volumes & Surface Areas (Ext) - 13
3D Shapes: Volumes & Surface Areas (Ext) - 14
3D Shapes: Volumes & Surface Areas (Ext) - 15
3D Shapes: Volumes & Surface Areas (Ext) - 16

Section 5 : Co-ordinate geometry

Equations of a Line (gradients, mid-points, perpendicular & parallel lines) (Ext) - 1
Equations of a Line (gradients, mid-points, perpendicular & parallel lines) (Ext) - 2
Equations of a Line (gradients, mid-points, perpendicular & parallel lines) (Ext) - 3
Equations of a Line (gradients, mid-points, perpendicular & parallel lines) (Ext) - 4

Equations of a Line (gradients, mid-points, perpendicular & parallel lines) (Ext) - 5

Section 6 : Trigonometry

Bearings (Ext) - 1

Bearings (Ext) - 2

Bearings (Ext) - 3

2D Pythagoras & Trigonometry (SOHCAHTOA) (Ext) - 1

2D Pythagoras & Trigonometry (SOHCAHTOA) (Ext) - 2

2D Pythagoras & Trigonometry (SOHCAHTOA) (Ext) - 3

Sine & Cosine Rule (Ext) - 1

Sine & Cosine Rule (Ext) - 2

Sine & Cosine Rule (Ext) - 3

Sine & Cosine Rule (Ext) - 4

Sine & Cosine Rule (Ext) - 5

Sine & Cosine Rule (Ext) - 6

Sine & Cosine Rule (Ext) - 7

Sine & Cosine Rule (Ext) - 8

Sine & Cosine Rule (Ext) - 9

Sine & Cosine Rule (Ext) - 10

Sine & Cosine Rule (Ext) - 11

3D Pythagoras & Trigonometry (Ext) - 1

3D Pythagoras & Trigonometry (Ext) - 2

3D Pythagoras & Trigonometry (Ext) - 3

3D Pythagoras & Trigonometry (Ext) - 4

Section 7 : Matrices and transformations

Vectors (Ext) - 1

Vectors (Ext) - 2
Vectors (Ext) - 3
Vectors (Ext) - 4
Vectors (Ext) - 5
Vectors (Ext) - 6
Vectors (Ext) - 7
Vectors (Ext) - 8
Vectors (Ext) - 9

Transformations (Reflection, Enlargement, Rotation, Translation) (Ext) - 1
Transformations (Reflection, Enlargement, Rotation, Translation) (Ext) - 2
Transformations (Reflection, Enlargement, Rotation, Translation) (Ext) - 3
Transformations (Reflection, Enlargement, Rotation, Translation) (Ext) - 4
Transformations (Reflection, Enlargement, Rotation, Translation) (Ext) - 5
Transformations (Reflection, Enlargement, Rotation, Translation) (Ext) - 6
Transformations (Reflection, Enlargement, Rotation, Translation) (Ext) - 7
Transformations (Reflection, Enlargement, Rotation, Translation) (Ext) - 8
Transformations (Reflection, Enlargement, Rotation, Translation) (Ext) - 9
Transformations (Reflection, Enlargement, Rotation, Translation) (Ext) - 10
Transformations (Reflection, Enlargement, Rotation, Translation) (Ext) - 11

Transformations (Reflection, Enlargement, Rotation, Translation) (Ext) - 12

Transformations (Reflection, Enlargement, Rotation, Translation) (Ext) - 13

Transformations (Reflection, Enlargement, Rotation, Translation) (Ext) - 14

Matrices (Ext) - 1

Matrices (Ext) - 2

Matrices (Ext) - 3

Matrices (Ext) - 4

Matrices (Ext) - 5

Matrices (Ext) - 6

Section 8 : Probability

Probability (Ext) - 1

Probability (Ext) - 2

Probability (Ext) - 3

Probability (Ext) - 4

Probability (Ext) - 5

Probability (Ext) - 6

Probability (Ext) - 7

Probability (Ext) - 8

Probability (Ext) - 9

Probability (Ext) - 10

Probability (Ext) - 11

Section 9 : Statistics

Histograms, Bar Charts, Pictograms, Scatter Diagrams & Frequency Distributions (Ext) - 1

Histograms, Bar Charts, Pictograms, Scatter Diagrams & Frequency

Distributions (Ext) - 2

Histograms, Bar Charts, Pictograms, Scatter Diagrams & Frequency Distributions (Ext) - 3

Histograms, Bar Charts, Pictograms, Scatter Diagrams & Frequency Distributions (Ext) - 4

Histograms, Bar Charts, Pictograms, Scatter Diagrams & Frequency Distributions (Ext) - 5

Mean/Median/Mode/Range (Ext) - 1

Mean/Median/Mode/Range (Ext) - 2

Mean/Median/Mode/Range (Ext) - 3

Mean/Modal Class - Grouped Data (Ext) - 1

Mean/Modal Class - Grouped Data (Ext) - 2

Mean/Modal Class - Grouped Data (Ext) - 3

Mean/Modal Class - Grouped Data (Ext) - 4

Cumulative Frequency & Frequency Density Diagrams (Ext) - 1

Cumulative Frequency & Frequency Density Diagrams (Ext) - 2

Cumulative Frequency & Frequency Density Diagrams (Ext) - 3

Cumulative Frequency & Frequency Density Diagrams (Ext) - 4

Cumulative Frequency & Frequency Density Diagrams (Ext) - 5

Cumulative Frequency & Frequency Density Diagrams (Ext) - 6

Cumulative Frequency & Frequency Density Diagrams (Ext) - 7

Cumulative Frequency & Frequency Density Diagrams (Ext) - 8

Cumulative Frequency & Frequency Density Diagrams (Ext) - 9

Correlation (Ext) - 1