

Year 7

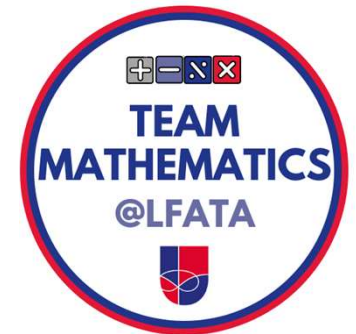
Number

Algebra

Geometry & Measures

Ratio & Proportion

Data & Statistics



On to Year 8

Term 1

- Types of number
- Place value
- Geometric notation
- Rounding and estimating
- Measuring
- Factors and multiples
- Sequences

Term 2

- Calculation methods
- Properties of shapes
- Ordering numbers
- Powers and roots
- Coordinates and lines
- Ratio

Term 3

- Order of operations
- Area and perimeter
- Decimal calculations
- Conversions
- Ordering fractions
- Missing angles

Term 4

- Introduction to Algebra
- Constructing triangles
- Graphs and charts
- Volume and surface area
- Fractions and percentages

Term 5

- Expanding brackets
- Time
- Multiplying and dividing fractions
- Averages
- Percentages

Term 6

- Solving equations
- Adding and subtracting fractions
- Transformations
- Using percentages
- Averages from tables

Year 8

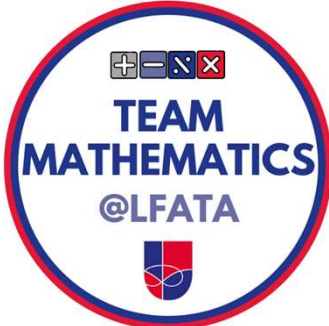
Number

Algebra

Geometry & Measures

Ratio & Proportion

Data & Statistics



On to Year 9

Term 1

- Prime factorisation
- Calculator skills
- Index laws
- Significant figures
- Maps and bearings
- Ratio
- Enlargement

Term 2

- Probability
- Negative numbers
- Sequences
- Order of operations
- Circles

Term 3

- Proportion
- Algebraic manipulation
- Standard form
- Plans and elevations
- Fractions, decimals and percentages
- Angles in polygons

Term 4

- Equations
- Data presentation
- Straight line graphs
- Volume
- Percentage increase and decrease

Term 5

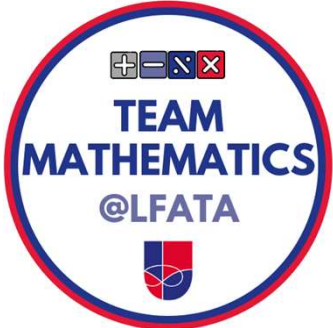
- Speed
- Presenting probability
- Functions and graphs
- Financial maths

Term 6

- Experimental probability
- Angles in parallel lines
- Bletchley Park, cyphers and code breaking
- Averages

Year 9

Number	Algebra	Geometry & Measures	Ratio & Proportion	Data & Statistics
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On to Year 10

Term 1

- Powers and roots
- Quadratics
- Rounding and bounds
- Constructions
- Ratio
- Loci

Term 2

- Probability
- Non-Linear Sequences
- Perimeter, Area and volume

Term 3

- Proportion
- Pythagoras' Theorem
- Standard form
- Plans and elevations
- Linear graphs

Term 4

- Graphs and charts
- Linear inequalities
- Compound measures

Term 5

- Non-linear graphs
- Geometric proof

Term 6

- Argument and proof
- Simultaneous equations

Year 9F

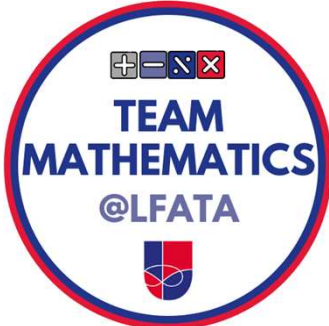
Number

Algebra

Geometry & Measures

Ratio & Proportion

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On to Year 10

Term 1

- Powers and roots
- Expanding and factorising
- Solving linear equations
- Rounding
- Constructions
- Ratio
- Loci

Term 2

- Probability
- Sequences
- Perimeter, Area and volume

Term 3

- Proportion
- Pythagoras' Theorem
- Standard form
- Plans and elevations
- Coordinates & lines
- Substitution

Term 4

- Graphs and charts
- Time
- Algebraic notation
- Equations
- Metric conversions
- Scale drawings

Term 5

- Linear graphs
- Missing angles
- Angles in polygons
- Decimal calculations

Term 6

- Expanding & factorising
- Solving equations
- Fractions
- 2D and 3D shapes

Year 10F

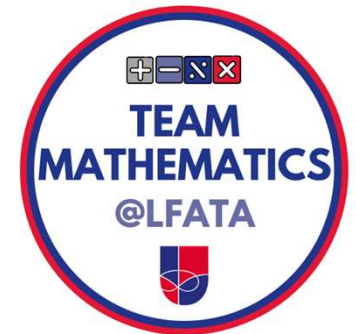
Number

Algebra

Geometry & Measures

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Data & Statistics



On to Year 11

Term
1

- Squares, cubes and roots
- Expanding brackets
- Rounding and error intervals
- Perimeter and area
- Pythagoras' theorem
- Proportion
- Factorising
- Transformations

Term
2

- Index laws
- Probability
- Solving equations
- Fractions, decimals and percentages
- Sequences
- Averages
- Volume and surface area

Term
3

- Linear inequalities
- Speed, density and pressure
- Plotting non-linear graphs
- Bearings
- Simultaneous equations
- Percentages and interest
- Distance, time graphs

Term
4

- Frequency trees and two way tables
- Angles in parallel lines
- Angles in polygons
- Solving quadratics by factorising
- Similar triangles
- Charts and graphs

Term
5

- Fractions
- Enlargement
- Equations of lines
- Averages from frequency tables
- Features of quadratic graphs

Term
6

- Geometric proof
- Parallel graphs
- Vectors
- Circles and cylinders
- Rearranging equations

Year 10

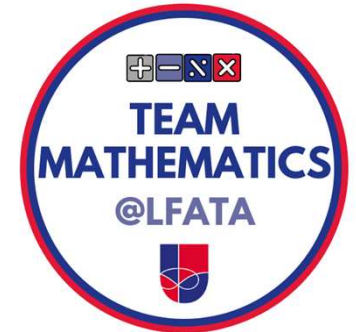
Number

Algebra

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On to Year 11

Term
1

- Estimating roots
- Expanding brackets
- Bounds
- Trigonometry SOHCAHTOA
- Proportion
- Factorising
- Transformations

Term
2

- Index laws and surds
- Venn diagrams
- Graphical inequalities
- Recurring decimals
- Non-linear sequences
- Sampling
- Cones, spheres and pyramids

Term
3

- Rearranging equations
- Compound measures
- Non-linear graphs
- Bearings
- Simultaneous equations
- Compound interest
- Graphs in context

Term
4

- Probability problems
- Circle theorems
- Solving quadratics
- Similar triangles
- Box plots

Term
5

- Algebraic fractions
- Length, area and volume scale factors
- Perpendicular lines
- Cumulative frequency
- Quadratic graphs

Term
6

- Geometric proof
- Gradients and rates of change
- Vectors
- Circles and tangents
- Iteration