

# Topic List (ALL)

Below is a list of all of the available topics and links.

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Grey topics are being created and will be published shortly.

## NUMBER

<b>INTEGERS</b>			
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N 1.2 Subtracting Integers	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
N 1.3 Multiplying Integers	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
N 1.4 Dividing Integers	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
N 1.5 Order of Operations	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
N 1.6 Prime Numbers & Prime Factor Decomposition	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
N 1.7 Factors & Highest Common Factor (HCF)	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
N 1.8 Multiples & Lowest Common Multiple (LCM)	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
<b>NEGATIVE NUMBERS</b>			
N 2.1 Adding & Subtracting Negative Numbers	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
N 2.2 Multiplying & Dividing Negative Numbers	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
<b>DECIMALS</b>			
N 3.1 Place Value & Ordering Decimals	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
N 3.2 Multiplying & Dividing by 10, 100, 1000	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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N 3.6 Related Calculations	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
<b>FRACTIONS</b>			
N 4.1 Equivalent Fractions	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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N 4.7 Fractions of an Amount	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
<b>FRACTIONS, DECIMALS &amp; PERCENTAGES</b>			
N 5.1 Converting between Fractions, Decimals & Percentages	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
N 5.2 Ordering Fractions, Decimals & Percentages	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
N 5.3 Recurring Decimals	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
<b>PERCENTAGES</b>			
N 6.1 Expressing One Quantity as a Percentage of Another	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
N 6.2 Percentages of an Amount (Non - Calculator)	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
N 6.3 Percentages of an Amount (Calculator)	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
N 6.4 Percentage Increase / Decrease	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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N 6.7 Compound Interest	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
<b>ROUNDING</b>			
N 7.1 Rounding - Nearest 10, 100, 1000	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
N 7.2 Rounding - Nearest Whole Number & Decimal Places	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
N 7.3 Rounding - Significant Figures	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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<b>STANDARD FORM</b>			
N 9.1 Standard Form	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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<b>SURDS</b>			
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N 11.3 Money	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
N 11.4 Exchange Rates	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>

## RATIO, PROPORTION & RATES OF CHANGE

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R 1.2 Simplifying Ratio	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
R 1.3 Sharing in a Ratio	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
R 1.4 Ratio Problems	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
<b>PROPORTION</b>			
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<b>COMPOUND MEASURES</b>			
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<b>REAL-LIFE GRAPHS</b>			
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R 4.2 Other Real-Life Graphs	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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R 4.4 Speed-Time Graphs (Straight Lines)	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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A 1.1 Co-ordinates	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 1.2 Midpoint of a Line	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 1.3 3D Co-ordinates	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
<b>LINEAR GRAPHS</b>			
A 2.1 $x = a, y = b$ Graphs	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 2.2 Plotting Linear Graphs ( $y = mx + c$ )	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 2.3 Equations of Linear Graphs ( $y = mx + c$ )	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 2.4 Using $y = mx + c$ to Draw Linear Graphs	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 2.5 Using $y = mx + c$ to Solve Problems	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 2.6 Using Gradients and Co-ordinates to find $y = mx + c$	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 2.7 Parallel & Perpendicular Lines	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>

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A 3.7 Laws of Indices (Algebra)	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 3.8 Function Machines	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 3.9 Substitution	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 3.10 Solving Linear Equations	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 3.11 Solving Linear Equations (with the unknown on both sides)	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 3.12 Changing the Subject	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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A 4.2 Factorising Quadratics	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 4.3 Factorising Quadratics (Advanced)	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 4.4 Completing the Square	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 4.5 Plotting Quadratic Graphs	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 4.6 Solving Quadratics - Graphically	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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A 4.8 Solving Quadratics - Factorising	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 4.9 Solving Quadratics - Factorising (Advanced)	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 4.10 Solving Quadratics - Quadratic Formula	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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A 4.12 Solving Quadratics - All Methods	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 4.13 Sketching Quadratic Graphs	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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A 6.2 Exponential Graphs	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 6.3 Equations of Tangents to Circles	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 6.4 Trigonometric Graphs	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>

A 6.5 Transformations of Graphs	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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A 7.3 Solving Linear Inequalities Graphically	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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<b>SIMULTANEOUS EQUATIONS</b>			
A 9.1 Simultaneous Equations - Linear	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 9.2 Simultaneous Equations – Non-Linear	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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<b>ALGEBRAIC FRACTIONS</b>			
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A 11.2 Algebraic Fractions - Add/Subtract	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
A 11.3 Algebraic Fractions - Multiply/Divide	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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## GEOMETRY

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G 1.2 Symmetry	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
G 1.3 3D Shapes - Properties	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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<b>PERIMETER &amp; AREA</b>			
G 2.1 Perimeter	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
G 2.2 Area of Rectangles	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
G 2.3 Area of Parallelograms	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>

G 2.4 Area of Triangles	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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G 4.1 Surface Area - Prisms & Cylinders	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
G 4.2 Surface Area – Spheres, Pyramids & Cones	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
G 4.3 Volume - Prisms & Cylinders	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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G 5.1 Reading Scales	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
G 5.2 Converting Metric Units	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
G 5.3 Converting Units - Area/Volume	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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G 6.2 Calculating Angles - Straight Lines & Full Turns	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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G 6.4 Calculating Angles - Triangles	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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G 7.1 Perpendicular Bisector & Angle Bisector	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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<b>PYTHAGORAS &amp; TRIGONOMETRY</b>			
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G 10.2 Trigonometry – Introduction	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
G 10.3 Trigonometry – Further	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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G 10.5 Sine Rule	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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## STATISTICS

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S 1.1 The Data Handling Cycle & Questionnaires	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
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<b>AVERAGES</b>			
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S 3.2 Pie Charts	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
S 3.3 Stem & Leaf Diagrams	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
S 3.4 Frequency Polygons	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
S 3.5 Time Series	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
S 3.6 Scatter Graphs	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
S 3.7 Cumulative Frequency Diagrams	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
S 3.8 Box Plots	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>
S 3.9 Histograms	<a href="#">Lesson</a>	<a href="#">Worksheet</a>	<a href="#">Video</a>

## PROBABILITY

PROBABILITY			
P 1.1 Basic Probability	Lesson	Worksheet	Video
P 1.2 Relative Frequency	Lesson	Worksheet	Video
COMBINED PROBABILITY			
P 2.1 Listing Outcomes & Sample Space	Lesson	Worksheet	Video
P 2.2 Product Rule for Counting	Lesson	Worksheet	Video
P 2.3 Frequency Trees	Lesson	Worksheet	Video
P 2.4 Tree Diagrams	Lesson	Worksheet	Video
P 2.5 Venn Diagrams	Lesson	Worksheet	Video