

Yr 9 Maths Term 1

1. Fractions and percentages

Converting fractions, decimals and percentages
Ordering FDP
Fractions of amounts
Percentages of amounts
Percentage increase and decrease
Reverse percentages

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3. Inequalities and quadratics

Solving inequalities
Constructing inequalities
Factorising quadratics
Factorise difference of 2 squares

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5. Constructions and circles

Perpendicular and angle bisectors
Arc length and area of sectors
Surface area of cylinders
Volume of cylinders

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1

2

3

4

5

Expectation from repeated experiments
Calculating experimental probability
Frequency trees
Calculating with standard form

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2. Probability and standard form

Changing the subject of a formula:
1 step
2 step
Unknowns both sides

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4. Rearranging formulae

Yr 9 Maths Term 2

1. Rounding and 3D shapes

Error intervals
Truncating
Rounding integers and decimals
Rounding to significant figures
Plans and elevations

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3. Ratio and Proportion

Writing and simplifying ratios
Sharing amounts in a given ratio
Solving direct and inverse proportion
Currency conversion

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5. Compound measures and distance time graphs

Calculating with speed and rates
Plotting distance time graphs
Calculating speed from distance-time graphs
Plotting distance time graphs using speeds

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1

2

3

4

5

Using the Pythagoras. Theorem
Calculating roots and powers
Solving equations with two or more steps

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2. Pythagoras

Finding and interpreting equations of
straight line graphs
Plotting horizontal, vertical and straight
line graphs

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4. Linear graphs

Yr 9 Maths Term 3

1. Quadratic Graphs

Plotting graphs of quadratic functions
Interpreting graphs of quadratic functions
Solving quadratic equations graphically

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3. Transformations and similarities

Rotation
Enlargement by positive scale factors
Mixed transformations
Finding unknown sides in similar shapes
Congruent triangle
Constructing triangles

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5. Vectors

Understanding column vectors
Adding, subtracting and multiplying column vectors
Identifying parallel vectors

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5

Combining angle facts, including parallel lines
Using quadrilateral properties to find angles
Angles in polygons
Measuring, drawing and calculating bearings

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2. Angles and bearings

Types of data and choosing suitable averages
Plotting and interpreting scatter plots
Finding averages from grouped data
Plotting and interpreting frequency polygons

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4. Handling data

Colour key

Number



Algebra



Shape



Data



Ratio and proportion

