

Year 10 Foundation

Visit the Corbett Maths website: <https://corbettmaths.com/contents/>

Topic	Link on Corbett Maths to VIDEO
Geometry and Measure – Transformations - Revisit rotation/reflection/translation - Enlarge a shape by a positive scale factor (P) multiplying by positive numbers - Find the measurements of the dimensions of an enlarged shape - Enlarge a shape by a positive scale factor from a given centre - Find the ratio of corresponding lengths in similar shapes and identify this as the scale factor of enlargement - Use ratios in similar shapes to find missing lengths - Enlarge shapes with fractional scale factors (P) multiplying fractions	Geometry and Measure – Transformations Translation https://corbettmaths.com/wp-content/uploads/2013/02/translations-pdf1.pdf Reflection https://corbettmaths.com/wp-content/uploads/2013/02/reflections-pdf1.pdf Rotation https://corbettmaths.com/wp-content/uploads/2013/02/rotations.pdf Enlargement https://corbettmaths.com/wp-content/uploads/2019/01/Enlargements-pdf.pdf https://corbettmaths.com/wp-content/uploads/2019/03/Enlargements-with-Centre-of-Enlargement-pdf.pdf Similar Shapes https://corbettmaths.com/wp-content/uploads/2019/03/Similar-Shapes-pdf.pdf
Geometry and Measure - Pythagoras - Use of square numbers, and calculators.(P) - Use Pythagoras' theorem to find the third side of a right-angled triangle (P) multiplying/dividing, being able to square root numbers - Use Pythagoras' theorem to prove that a triangle is right-angled	Geometry and Measure - Pythagoras https://corbettmaths.com/wp-content/uploads/2019/02/Pythagoras-pdf.pdf
Geometry and Measure - Measures - Decide which is the most appropriate unit of measurement to use in everyday situations (P) - Measure the length of a line (P) using rulers and pencils - Make sensible estimates of lengths - Use standard units of mass, length, time, money and other measures. (P) convert measures - Use compound measures, such as speed and pressure (numerical and algebraic contexts) - Recognise that measurements may be inaccurate by up to one half unit either side - convert between related compound units (speed, rates of pay, prices, density, pressure) in numerical and algebraic contexts	Geometry and Measure – Measures https://corbettmaths.com/wp-content/uploads/2018/09/Speed-Distance-Time-pdf.pdf
Number – Numeracy Problems Solve numeracy problems involving time	
Algebra – Real life graphs - Make simple interpretations of real-life graphs/Further interpret real-life graph - Discuss and interpret graphs modelling real life situations	Algebra – Real life graphs Distance Time Graphs (corbettmaths.com)
Ratio, Proportion and rates of change - Proportion - Set up, solve and interpret growth and decay problems. - Solve problems based on compound interest. - understand that X is inversely proportional to Y is equivalent to X is proportional to 1/y - interpret equations that describe direct and inverse proportion - interpret the gradient of a straight line graph as a rate of change; recognise and interpret graphs that illustrate direct and inverse proportion	Ratio, Proportion and rates of change – Proportion https://corbettmaths.com/wp-content/uploads/2019/09/Compound-Interest-pdf-1.pdf https://corbettmaths.com/wp-content/uploads/2018/11/Increasing-by-a-Percentage-pdf.pdf https://corbettmaths.com/wp-content/uploads/2019/03/Proportion-Direct-and-Inverse.pdf https://corbettmaths.com/wp-content/uploads/2019/03/Proportion-Direct-and-Inverse.pdf https://corbettmaths.com/wp-content/uploads/2013/02/recipes-pdf2.pdf

Find the link to the topic you are studying. Watch the video then complete the practice questions and textbook exercise. Once you have finished, check your answers here: <https://corbettmaths.com/2015/03/13/worksheet-answers/>