

# Maths



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Expanding Brackets  
Video 13 on [www.corbettmaths.com](http://www.corbettmaths.com)

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Answers



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# Maths



Topic	Mymaths Library
<p><b>Algebra – Linear Graphs</b></p> <ul style="list-style-type: none"> <li>To use and interpret co-ordinates in all 4 quadrants (P).</li> <li>To substitute into expressions./;</li> <li>To plot linear graphs.</li> <li>Identify gradient and intercept</li> <li>To recognise <math>y=mx+c</math></li> <li>To recognise horizontal and vertical straight line graphs.</li> <li>Find the equation of a straight line</li> <li>-----</li> <li>To plot quadratic graphs</li> <li>To use graphs to solve two linear simultaneous equations.</li> </ul> <p><b>Geometry and Measure - 2D and 3D Shapes</b></p> <ul style="list-style-type: none"> <li>To recap mathematical names for common 2D shapes, extending to 3D shapes (P).</li> <li>To classify shapes according to their properties e.g. Parallel lines, angles, symmetry. (P)</li> <li>To classify quadrilaterals by their geometric properties and solve geometrical problems using properties of angles.</li> <li>To understand what a prism is and the mathematical language used to describe faces, edges and vertices.</li> <li>To draw plans and elevations</li> <li>To find the surface area of 3D shapes</li> </ul> <p><b>Probability</b></p> <ul style="list-style-type: none"> <li>To match events to the phrase which best describes its likelihood (certain, likely, evens, unlikely, impossible) (P)</li> <li>To understand and use the probability scale from 0 to 1 (P)</li> <li>To calculate probabilities</li> <li>To know that the sum of probabilities of all mutually exclusive outcomes is 1 and use this when solving problems</li> <li>To use Venn diagrams to interpret probability</li> <li>To understand relative frequency</li> <li>Venn diagrams using set notation</li> </ul> <p><b>Calculator Use</b></p>	<p><b>Algebra – Linear Graphs</b></p> <ul style="list-style-type: none"> <li><a href="http://corbettmaths.com">Drawing Linear Graphs (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">Equation of a Line pdf (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">Gradient pdf (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">x=a and y=a graphs pdf (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">Drawing Quadratics (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">Graphical Simultaneous (corbettmaths.com)</a></li> </ul> <p><b>Geometry and Measure - 2D and 3D Shapes</b></p> <ul style="list-style-type: none"> <li><a href="http://corbettmaths.com">2D Shapes Exercise 1 (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">Quadrilaterals Exercise 2 (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">3D Shapes (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">Edges Faces Vertices (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">Surface Area Cuboids (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">Surface Area L shaped prism pdf (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">Surface Area of Other Prisms Video – Corbettmaths</a></li> <li><a href="http://corbettmaths.com">Surface Area of a Cylinder (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">Surface Area of a Cone (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">Surface Area of a Sphere (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">Nets Exercise 4 (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">Views and Elevations Video – Corbettmaths</a></li> </ul> <p><b>Probability</b></p> <ul style="list-style-type: none"> <li><a href="http://corbettmaths.com">Probability Scale (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">Probability 2 (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">Independent Events (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">Relative Frequency pdf (corbettmaths.com)</a></li> <li><a href="http://corbettmaths.com">Venn Diagrams Video – Corbettmaths</a></li> </ul> <p><b>Calculator Use</b></p> <ul style="list-style-type: none"> <li><a href="http://corbettmaths.com">Use of a Calculator Textbook Exercise – Corbettmaths</a></li> </ul>