

# Maths



Topic	Mymaths Library
<p><b>Geometry and Measure - Pythagoras</b></p> <ul style="list-style-type: none"> <li>Use Pythagoras' theorem to find the third side of a right-angled triangle</li> <li>Use Pythagoras' theorem to prove that a triangle is right-angled</li> <li>Find the distance between two points from their coordinates</li> <li>Use Pythagoras' theorem in 3-D problems</li> </ul> <p><b>Number – Decimals</b></p> <ul style="list-style-type: none"> <li>Add and subtract decimals (P)</li> <li>Multiply decimals such as <math>2.4 \times 0.7</math></li> <li>Estimate answers to calculations involving decimals</li> <li>Divide a number by a decimal such as <math>1 \div 0.2</math> and <math>2.8 \div 0.7</math></li> </ul> <p><b>Statistics - Statistical Measures</b></p> <ul style="list-style-type: none"> <li>Calculate the mean, median, mode range for a frequency distribution</li> <li>Find the modal class, mean, median &amp; range for grouped data</li> <li>Find the upper and lower quartiles and calculate inter-quartile range for a frequency distribution</li> </ul> <p><b>Algebra - Inequalities</b></p> <ul style="list-style-type: none"> <li>Solve equations with one or two unknowns including brackets and fractions (P)</li> <li>Understand Inequality signs(P)</li> <li>Represent and interpret inequalities on a number line (P)</li> <li>Solve an inequality such as <math>2x - 7 &lt; 9</math></li> <li>Find the integer solutions of an inequality such as <math>-8 &lt; 2n \leq 5</math></li> <li>Represent and interpret inequalities on a number line, using set notation and on a graph</li> <li>Solve an inequality such as <math>2x - 7 &lt; 9</math></li> <li>Solve an inequality such as <math>3x + 2 \leq 4 - x</math></li> <li>Find the integer solutions of an inequality such as <math>-8 &lt; 2x \leq 5</math></li> <li>Represent linear inequalities in two variables, such as <math>x + y &lt; 7</math>, as a region on a graph and using set notation</li> <li>Solve quadratic inequalities</li> </ul>	<p><b>Geometry and Measure - Pythagoras</b></p> <p><a href="#">Pythagoras pdf (corbettmaths.com)</a>  <a href="#">3D Pythagoras (corbettmaths.com)</a></p> <p><b>Number – Decimals</b></p> <p><a href="#">Adding Decimals (corbettmaths.com)</a>  <a href="#">Subtracting Decimals (corbettmaths.com)</a>  <a href="#">Multiplying Decimals Textbook (corbettmaths.com)</a>  <a href="#">Dividing Decimals by whole numbers pdf (corbettmaths.com)</a></p> <p><b>Statistics - Statistical Measures</b></p> <p><a href="#">Averages and range (corbettmaths.com)</a>  <a href="#">Mean from a Frequency Table (corbettmaths.com)</a></p> <p><b>Algebra - Inequalities</b></p> <p><a href="#">Inequalities textbook (corbettmaths.com)</a>  <a href="#">Solving Inequalities (corbettmaths.com)</a>  <a href="#">Graphical Inequalities 1 Textbook (corbettmaths.com)</a></p>