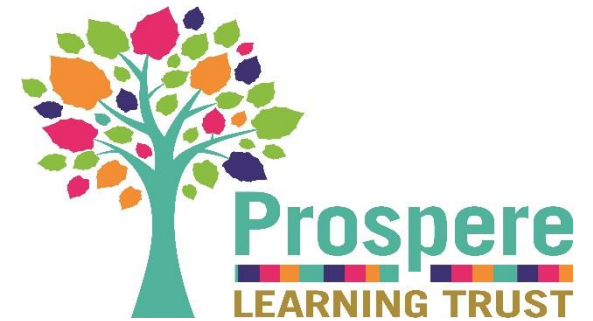


# Mathematics (GCSE)



The areas of development are:	Solutions
<b>Maths</b>	
<ul style="list-style-type: none"> <li>• Number</li> </ul>	<ul style="list-style-type: none"> <li>• Index notation <a href="#">Clip 131</a></li> <li>• Rounding <a href="#">Clip 32</a></li> <li>• Fractions, percentages, decimals <a href="#">Clip 85</a></li> <li>• Multiplying decimals <a href="#">Clip 66</a></li> <li>• Fractional and negative indices <a href="#">Clip 154</a> and <a href="#">188</a></li> <li>• Adding and subtracting fractions <a href="#">Clip 71</a></li> <li>• Percentages of an amount <a href="#">Clip 86</a> and <a href="#">87</a></li> <li>• Reverse percentage problem <a href="#">Clip 110</a></li> <li>• Calculating with standard form <a href="#">Clip 83</a></li> <li>• Compound interest <a href="#">Clip 164</a></li> <li>• Surds <a href="#">Clip 207a</a>, <a href="#">207b</a> and <a href="#">207c</a></li> </ul>
<ul style="list-style-type: none"> <li>• Ratio and Proportion</li> </ul>	<ul style="list-style-type: none"> <li>• Sharing into a ratio <a href="#">Clip 106</a></li> <li>• Ratio, fraction and graphs <a href="#">Clip 107</a></li> <li>• Direct and inverse proportion <a href="#">Clip 199</a></li> </ul>
<ul style="list-style-type: none"> <li>• Algebra</li> </ul>	<ul style="list-style-type: none"> <li>• Finding the nth term <a href="#">Clip 103</a></li> <li>• Finding the nth term of a quadratic sequence <a href="#">Clip 213</a></li> <li>• Solving equations <a href="#">Clip 135</a></li> <li>• Angle sum of polygons <a href="#">Clip 123</a></li> <li>• Forming formulae and equations <a href="#">Clip 137</a></li> <li>• Rearranging formulae <a href="#">Clip 136</a></li> </ul>

	<ul style="list-style-type: none"> <li>• Equation of a straight line <a href="#">Clip 159</a></li> <li>• Algebraic proof <a href="#">Clip 193</a></li> <li>• Algebraic fraction <a href="#">Clip 210</a></li> <li>• Inverse and composite functions <a href="#">Clips 214</a> and <a href="#">215</a></li> <li>• Simultaneous equations <a href="#">Clip 162</a></li> <li>• Solving quadratic equations <a href="#">Clip 191</a></li> <li>• Transformation of graphs <a href="#">Clip 196</a></li> <li>• Trigonometric graphs <a href="#">Clips 195</a></li> <li>• Mathematical reasoning <a href="#">Clip 156</a></li> </ul>
<ul style="list-style-type: none"> <li>• Shape and Measure</li> </ul>	<ul style="list-style-type: none"> <li>• Metric conversions <a href="#">Clip 112</a></li> <li>• Area of a circle <a href="#">Clip 117</a></li> <li>• Sector area <a href="#">Clip 167</a></li> <li>• Volume of a prism <a href="#">Clip 119</a></li> <li>• Constructions <a href="#">Clip 146</a></li> <li>• Pythagoras' Theorem <a href="#">Clip 150</a></li> <li>• Similarity <a href="#">Clip 144</a></li> <li>• Trigonometry <a href="#">Clip 168</a></li> <li>• Advanced trigonometry <a href="#">Clips 195a</a> and <a href="#">195b</a></li> </ul>
<ul style="list-style-type: none"> <li>• Probability and Statistics</li> </ul>	<ul style="list-style-type: none"> <li>• Calculating probabilities <a href="#">Clip 59</a></li> <li>• Drawing and interpreting pie charts <a href="#">Clip 128</a></li> <li>• Cumulative frequency <a href="#">Clip 186</a></li> <li>• Box plots <a href="#">Clip 187</a></li> <li>• Probability tree diagram <a href="#">Clip 175</a></li> <li>• Sets and Venn diagrams <a href="#">Clip 127</a></li> </ul>

[Return to Year 10 Solutions Homepage](#)