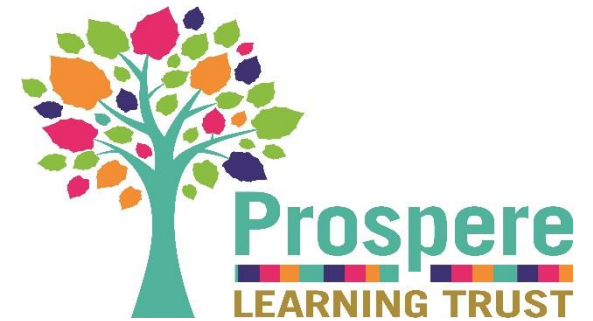


# Mathematics



Solutions	Clip Number
<b>Mathematics</b>	
<ul style="list-style-type: none"> <li>• Number</li> </ul>	<ul style="list-style-type: none"> <li>• Order decimals – <a href="#">Clip 46</a></li> <li>• Adding and subtracting with integers – <a href="#">Clip 20</a></li> <li>• Adding and subtracting decimals – <a href="#">Clip 47</a></li> <li>• Multiplying integers and decimals – <a href="#">Clip 144</a> and <a href="#">Clip 48</a></li> <li>• Dividing integers and decimals – <a href="#">Clip 22</a> and <a href="#">Clip 50</a></li> <li>• Negative Numbers – <a href="#">Clip 39</a> and <a href="#">Clip 40</a></li> <li>• Index notation – <a href="#">Clip 102</a></li> <li>• Rounding to decimal places – <a href="#">Clip 56</a></li> <li>• Rounding to significant figures – <a href="#">Clip 130</a></li> <li>• Adding and subtracting fractions – <a href="#">Clip 66</a></li> <li>• Multiplying fractions – <a href="#">Clip 68</a></li> <li>• Dividing fractions – <a href="#">Clip 70</a></li> <li>• Estimation – <a href="#">Clip 131</a></li> <li>• Fractions, percentages, decimals – <a href="#">Clip 149</a></li> <li>• Fractional indices – <a href="#">Clip 108</a> and <a href="#">Clip 109</a></li> <li>• Negative indices – <a href="#">Clip 104</a></li> <li>• Percentages of an amount – <a href="#">Clip 85</a></li> <li>• Reverse percentage problems – <a href="#">Clip 96</a></li> <li>• Calculating with standard form – <a href="#">Clip 125</a> and <a href="#">Clip 126</a></li> <li>• Compound interest – <a href="#">Clip 94</a></li> </ul>

	<ul style="list-style-type: none"> <li>• Surds – <a href="#">Clip 115</a> and <a href="#">Clip 113</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 332</a>, <a href="#">Clip 333</a> and <a href="#">Clip 334</a></li> <li>• Direct proportion – <a href="#">Clip 339</a>, <a href="#">Clip 340</a> and <a href="#">Clip 341</a></li> <li>• Percentage change – <a href="#">Clip 97</a></li> </ul>
<ul style="list-style-type: none"> <li>• Algebra</li> </ul>	<ul style="list-style-type: none"> <li>• Collecting like terms – <a href="#">Clip 156</a></li> <li>• Expanding and simplifying brackets – <a href="#">Clip 160</a> and <a href="#">Clip 161</a></li> <li>• Substitution – <a href="#">Clip 781</a> and <a href="#">Clip 784</a></li> <li>• Finding the nth term – <a href="#">Clip 198</a></li> <li>• Finding the nth term of a quadratic sequence – <a href="#">Clip 248</a></li> <li>• Solving equations – <a href="#">Clip 179</a>, <a href="#">Clip 182</a>, <a href="#">Clip 183</a> and <a href="#">Clip 184</a></li> <li>• Factorise and solve quadratic equations – <a href="#">Clip 230</a></li> <li>• Solving linear inequalities – <a href="#">Clip 269</a></li> <li>• Drawing straight line graphs – <a href="#">Clip 206</a></li> <li>• Identifying the gradient and y-intercept from an equation – <a href="#">Clip 207</a></li> <li>• Forming equations – <a href="#">Clip 176</a></li> <li>• Rearranging formulae – <a href="#">Clip 281</a></li> <li>• Algebraic fractions – <a href="#">Clip 172</a></li> <li>• Functions – <a href="#">Clip 288</a></li> <li>• Inverse functions – <a href="#">Clip 295</a></li> <li>• Simultaneous equations – <a href="#">Clip 192</a></li> <li>• Using graphs to find approximate solutions – <a href="#">Clip 323</a></li> <li>• Distance-time graphs – <a href="#">Clip 874</a> and <a href="#">Clip 875</a></li> <li>• Transformation of graphs – <a href="#">Clip 307</a></li> <li>• Trigonometric graphs – <a href="#">Clip 303</a>, <a href="#">Clip 304</a> and <a href="#">Clip 305</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 695</a>, <a href="#">Clip 692</a> and <a href="#">Clip 698</a></li> <li>• Area of 2D shapes – <a href="#">Clip 554</a>, <a href="#">Clip 557</a> and <a href="#">Clip 559</a></li> <li>• Perimeter of 2D shapes – <a href="#">Clip 549</a> and <a href="#">Clip 550</a></li> <li>• Angle sum of polygons – <a href="#">Clip 561</a></li> <li>• Angles in parallel lines – <a href="#">Clip 481</a> and <a href="#">Clip 483</a></li> <li>• Area of a circle – <a href="#">Clip 539</a></li> </ul>

	<ul style="list-style-type: none"> <li>• Sector area – <a href="#">Clip 546</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Volume of a prism – <a href="#">Clip 570</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Pythagoras' Theorem – <a href="#">Clip 498</a> and <a href="#">Clip 499</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Similar Triangles – <a href="#">Clip 611</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Transformations – <a href="#">Clip 648</a>, <a href="#">Clip 639</a>, <a href="#">Clip 637</a> and <a href="#">Clip 642</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Surface Area – <a href="#">Clip 584</a> and <a href="#">Clip 585</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Volume of Spheres – <a href="#">Clip 580</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Congruence – <a href="#">Clip 682</a></li> </ul>
<ul style="list-style-type: none"> <li>• Probability and Statistics</li> </ul>	<ul style="list-style-type: none"> <li>• Calculating probabilities of single events – <a href="#">Clip 351</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Random Sampling – <a href="#">Clip 395</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Averages – <a href="#">Clip 405</a>, <a href="#">Clip 409</a>, <a href="#">Clip 404</a> and <a href="#">Clip 410</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Mean from frequency tables – <a href="#">Clip 417</a> and <a href="#">Clip 418</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Two-way tables – <a href="#">Clip 423</a> and <a href="#">Clip 424</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Bar charts – <a href="#">Clip 425</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Scattergraphs – <a href="#">Clip 453</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Drawing and interpreting pie charts – <a href="#">Clip 427</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Cumulative frequency – <a href="#">Clip 437</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Stratified sampling – <a href="#">Clip 396</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Box plots – <a href="#">Clip 434</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Probability tree diagrams – <a href="#">Clip 361</a> and <a href="#">Clip 364</a></li> </ul>

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