

Welcome to the Mathematics Solutions.

Please log on to <http://www.mathswatchvle.com> and watch the appropriate clip:

Solutions	Clip Number
<ul style="list-style-type: none"> • Number 	<ul style="list-style-type: none"> • Place Value clip 1
	<ul style="list-style-type: none"> • Adding integers and decimals clip 17
	<ul style="list-style-type: none"> • Subtracting integers and decimals clip 18
	<ul style="list-style-type: none"> • Multiplying integers and decimals clip 19
	<ul style="list-style-type: none"> • Dividing integers and decimals clip 20
	<ul style="list-style-type: none"> • Negative Numbers clip 68a
	<ul style="list-style-type: none"> • Index notation clip 82
	<ul style="list-style-type: none"> • Rounding clip 32 and 90
	<ul style="list-style-type: none"> • Adding and subtracting fractions clip 71
	<ul style="list-style-type: none"> • Multiplying fractions clip 73
	<ul style="list-style-type: none"> • Dividing fractions clip 74
	<ul style="list-style-type: none"> • Estimation and approximation clip 91
	<ul style="list-style-type: none"> • Calculator methods clip 77
	<ul style="list-style-type: none"> • Fractions, percentages, decimals clip 85
	<ul style="list-style-type: none"> • Fractional indices clip 188
	<ul style="list-style-type: none"> • Negative indices clip 154
	<ul style="list-style-type: none"> • Percentages of an amount clips 86 and 87
	<ul style="list-style-type: none"> • Reverse percentage problems clip 110
	<ul style="list-style-type: none"> • Calculating with standard form clip 83
	<ul style="list-style-type: none"> • Compound interest clip 164
<ul style="list-style-type: none"> • Surds clips 207a, 207b and 207c 	

<ul style="list-style-type: none"> • Ratio and Proportion 	<ul style="list-style-type: none"> • Sharing into a ratio clip 106 • Direct & inverse proportion clip 199 • Percentage change clip 109
<ul style="list-style-type: none"> • Algebra 	<ul style="list-style-type: none"> • Simplifying expressions clips 33 and 34 • Expanding and simplifying brackets clips 134a and 134b • Substitution clip 95 • Finding the nth term clip 103 • Finding the nth term of a quadratic sequence clip 213 • Solving equations clip 135a • Solving quadratic equations clip 157 • Solving linear inequalities clip 139 • Equation of a straight line clip 159a • Forming formulae and equations clip 137 • Rearranging formulae clip 136 • Algebraic proof clip 193 • Algebraic fractions clip 210 • Functions clip 99 • Inverse functions clip 214a • Simultaneous equations clip 162 • Recognising graphs clips 98 & 161 • Velocity-time graphs clip 216 • Transformation of graphs clip 196a • Trigonometric graphs clip 195a and 195b
<ul style="list-style-type: none"> • Shape and Measure 	<ul style="list-style-type: none"> • Metric conversions clip 112 • Area of 2D shapes clips 53, 54 and 55 • Perimeter of 2D shapes clip 52 • Angle sum of polygons clip 123 • Angles in parallel lines clip 120 • Area of a circle clip 117 • Sector area clip 167 • Volume of a prism clip 119

	<ul style="list-style-type: none"> • Constructions clip 146a and 146b
	<ul style="list-style-type: none"> • Pythagoras' Theorem clip 150
	<ul style="list-style-type: none"> • Vectors clip 219
	<ul style="list-style-type: none"> • Similar Shapes clip 144
	<ul style="list-style-type: none"> • Circle Theorems clip 183
	<ul style="list-style-type: none"> • Transformations clip 182
	<ul style="list-style-type: none"> • Surface Area clip 114a
	<ul style="list-style-type: none"> • Volume of Spheres clip 169
	<ul style="list-style-type: none"> • Congruence clip 12b
	<ul style="list-style-type: none"> • Trigonometry clip 168
	<ul style="list-style-type: none"> • Advanced trigonometry clip 201 and 202
<ul style="list-style-type: none"> • Probability and Statistics 	<ul style="list-style-type: none"> • Calculating probabilities clip 59
	<ul style="list-style-type: none"> • Sampling clip 152
	<ul style="list-style-type: none"> • Averages clip 62
	<ul style="list-style-type: none"> • Averages from frequency tables clip 130a and 130b
	<ul style="list-style-type: none"> • Two-way tables clip 61
	<ul style="list-style-type: none"> • Bar charts clip 15
	<ul style="list-style-type: none"> • Scattergraphs clip 129
	<ul style="list-style-type: none"> • Drawing and interpreting pie charts clip 128a
	<ul style="list-style-type: none"> • Cumulative frequency clip 186
	<ul style="list-style-type: none"> • Stratified sampling clip 176
	<ul style="list-style-type: none"> • Box plots clip 187
	<ul style="list-style-type: none"> • Probability tree diagrams clip 151 and 175
	<ul style="list-style-type: none"> • Sets & Venn Diagrams clip 127a

[Return to Y9 Solutions Homepage](#)