



a A rhombus has diagonals 10 cm and 6 cm. Find its side to 1 dp. 5.8 cm a rhombus: half the diagonals	b Find θ to 1 dp 36.9° a trapezium: the difference of the sides	c $AG = 17$ cm. Find x 8 cm an edge from the space diagonal	d A cube. Find θ to 1 dp 35.3° a cube: the angle with the base
e Find x x = 5 Pythagoras to a quadratic	f $\tan \theta = \frac{5}{12}$ and θ is acute. Find the exact value of $\cos \theta$. $\cos \theta = \frac{12}{13}$ a ratio from another ratio	g Find h to 1 dp h = 10.5 cm two angles, one unknown height	h Find θ to 1 dp 34.7° a line to a midpoint, and the base
i Find angle CAF to 1 dp 47.3° a 3D triangle that is not right angled	j $AG = 12$ cm. Find x x = 4 a space diagonal in algebra	k Find VM exactly $\sqrt{6}$ cm 3D backwards from an exact angle	l Perimeter 12 cm. Find x exactly. $x = 12 - 4\sqrt{3}$ an exact side from a perimeter

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