

Area of a Triangle Using Sine *ramp up*

ANSWERS



a Find the area 12 cm^2 $\frac{1}{2}ab \sin C$ with the angle between	b Find the area to 1 decimal place 24.1 cm^2 an angle that is not special	c Find the area to 1 dp 15.3 cm^2 an obtuse angle	d Find the area to 1 dp 24.5 cm^2 find the angle between first
e Find the area to 1 dp 15.6 cm^2 equilateral: every angle is 60°	f Area 30 cm^2 . Find x to 1 dp $x = 9.3 \text{ cm}$ a side from the area	g Area 20 cm^2 . Find θ $\theta = 30^\circ$ an angle from the area	h Area 36 cm^2 , θ obtuse. Find θ to 1 dp $\theta = 126.9^\circ$ an obtuse angle from the area
i Find the area to 1 dp 30.3 cm^2 a parallelogram: two triangles	j Find the area to 1 dp 41.6 cm^2 a regular polygon: split into triangles	k Find the shaded area to 1 dp 1.9 cm^2 a segment: sector take away triangle	l Find the area to 1 dp 14.7 cm^2 three sides: cosine rule first

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