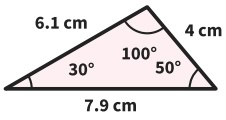
Sine rule: finding a side *lesson handout*

Model

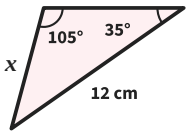
Divide each side by the sine of the angle opposite it.



Side	Angle opposite	Side ÷ sin (angle)
4 cm	30°	
6.1 cm	50°	
7.9 cm	100°	

We do

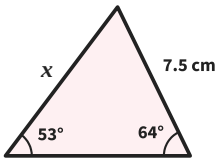
Write the sine rule with the numbers in.



$$\frac{x}{\sin\square^\circ} = \frac{\square}{\sin\square^\circ}$$

You do

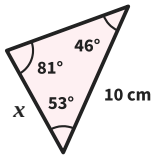
Write the sine rule with the numbers in.



$$\frac{x}{\sin\square^\circ} = \frac{\square}{\sin\square^\circ}$$

You do

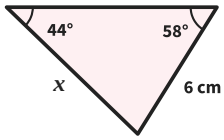
Write the sine rule with the numbers in.



$$\frac{x}{\sin\square^\circ} = \frac{\square}{\sin\square^\circ}$$

We do

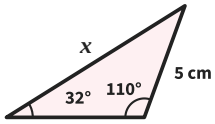
Find x to 1 decimal place.



$$\frac{x}{\sin\square^\circ} = \frac{\square}{\sin\square^\circ}$$

You do

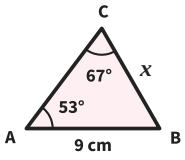
Find x to 1 decimal place.



$$\frac{x}{\sin\square^\circ} = \frac{\square}{\sin\square^\circ}$$

You do

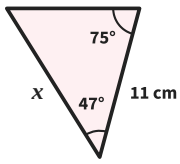
In triangle ABC, angle A = 53°, angle C = 67° and AB = 9 cm.
Find BC, marked x, to 1 decimal place.



$$\frac{x}{\sin\square^\circ} = \frac{\square}{\sin\square^\circ}$$

We do

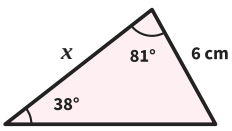
Find x to 1 decimal place.



$$\frac{x}{\sin\square^\circ} = \frac{\square}{\sin\square^\circ}$$

You do

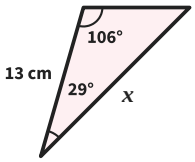
Find x to 1 decimal place.



$$\frac{x}{\sin\square^\circ} = \frac{\square}{\sin\square^\circ}$$

You do

Find x to 1 decimal place.



$$\frac{x}{\sin\square^\circ} = \frac{\square}{\sin\square^\circ}$$