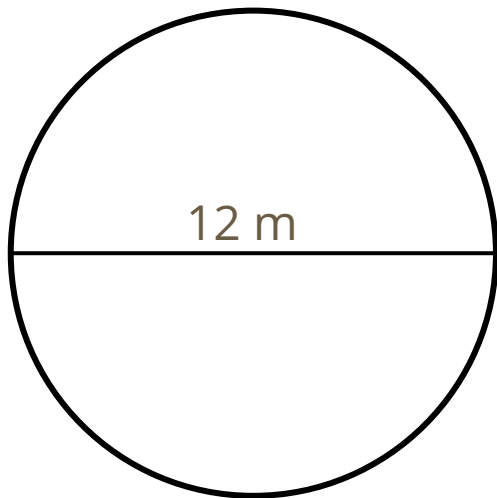
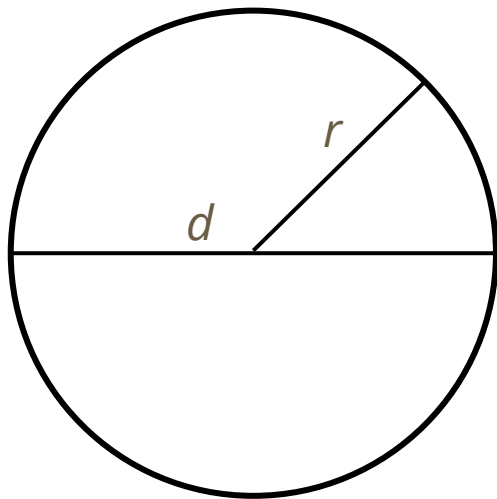


Find the circumference of this circle:



Formula for the circumference of a circle:  $C = 2\pi r$

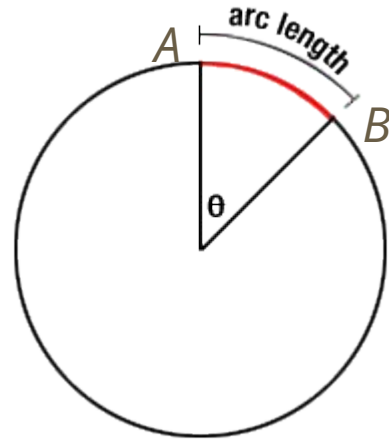


Find the circumference of a circle with a diameter of 14 cm.

Find the radius of a circle with a circumference of 314 meters.

## Arc Length:

A portion of the circumference of a circle.



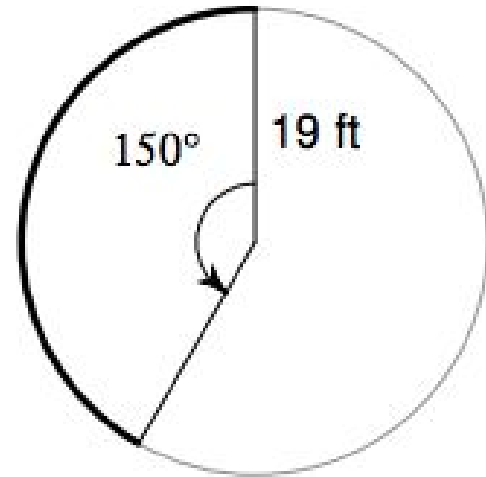
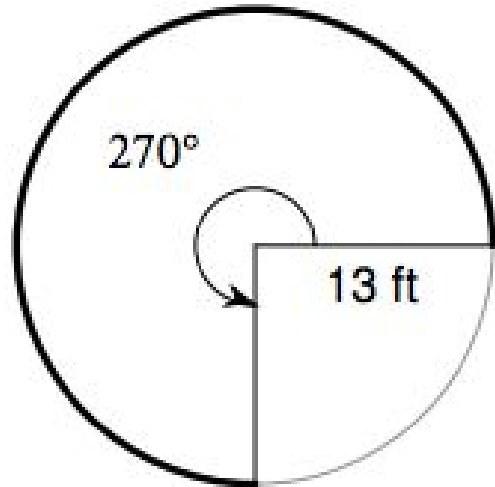
## Finding Arc Length:

The ratio of the length of a given arc to the circumference is equal to the ratio of the measure of the arc to 360°.

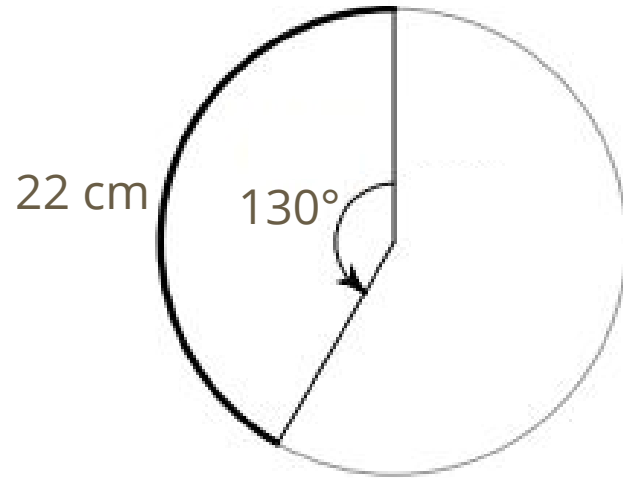
$$\frac{\text{Arc length of arc } \widehat{AB}}{2\pi r} = \frac{m\widehat{AB}}{360^\circ}$$

$$\text{Arc length of arc } \widehat{AB} = \frac{m\widehat{AB}}{360^\circ} \cdot 2\pi r$$

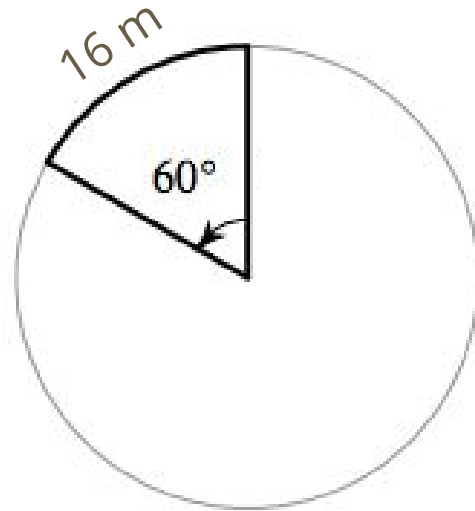
Find the arc length:



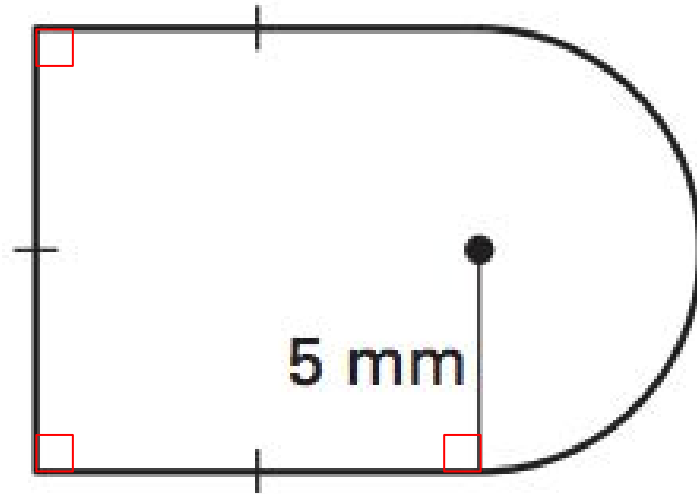
Find the circumference:



Find the radius:

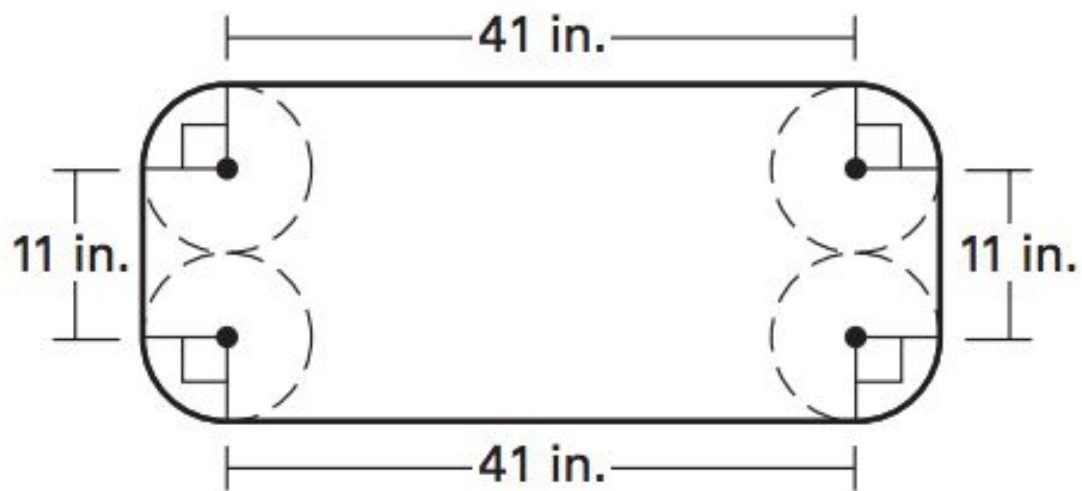


Find the perimeter of this shape:

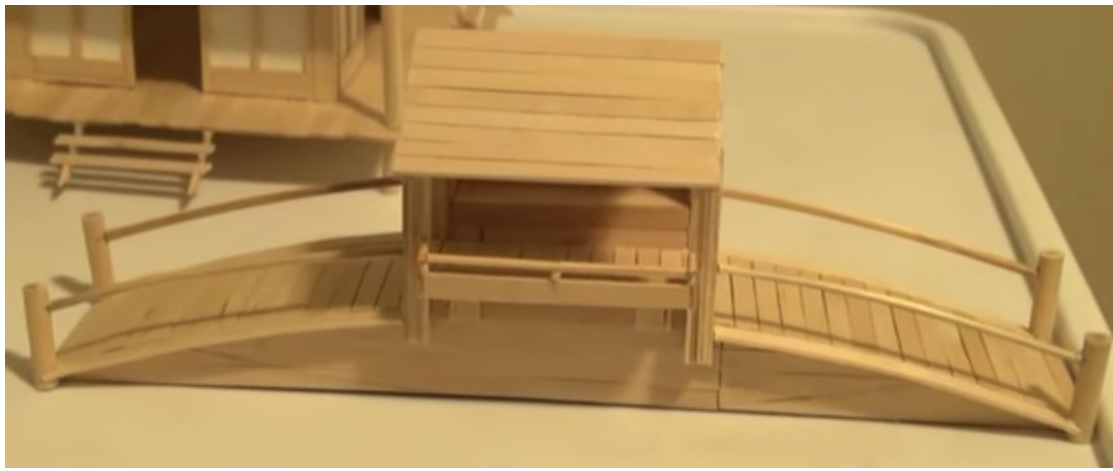




Find the perimeter:



# Project!



What are some mathematical requirements from the rubric that these are missing?

