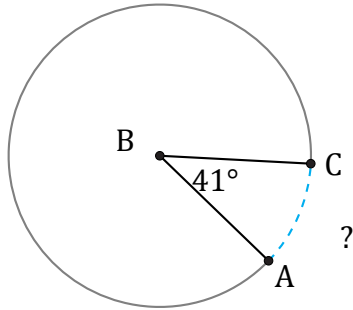


Arc Length (B)

Name: _____

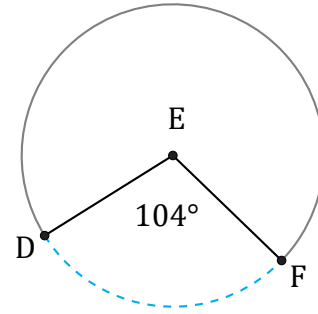
Date: _____

Calculate each arc length.



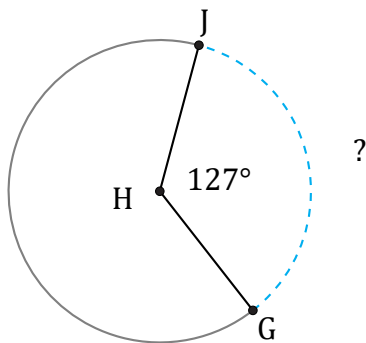
Circumference = 540.35 m

$\widehat{AC} =$



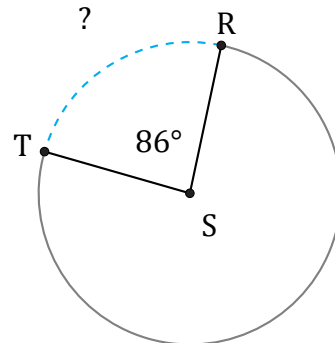
Radius = 667 mi

$\widehat{DF} =$



Diameter = 198 cm

$\widehat{GJ} =$



Diameter = 12 mm

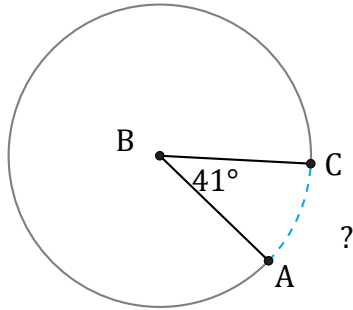
$\widehat{RT} =$

Arc Length (B) Answers

Name: _____

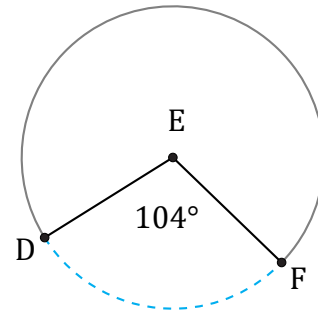
Date: _____

Calculate each arc length.



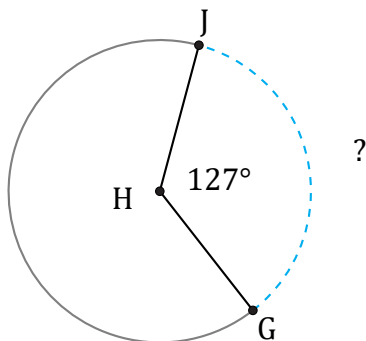
Circumference = 540.35 m

$$\widehat{AC} = \frac{41}{360} \times 540.35 = 61.54 \text{ m}$$



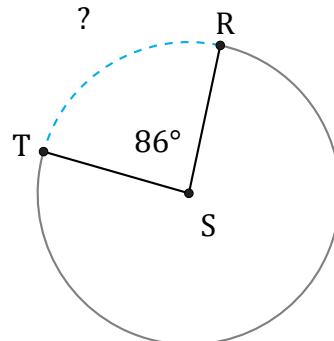
Radius = 667 mi

$$\widehat{DF} = \frac{104}{360} \times \pi \times 667 \times 2 = 1210.7 \text{ mi}$$



Diameter = 198 cm

$$\widehat{GJ} = \frac{127}{360} \times \pi \times 198 = 219.44 \text{ cm}$$



Diameter = 12 mm

$$\widehat{RT} = \frac{86}{360} \times \pi \times 12 = 9.01 \text{ mm}$$