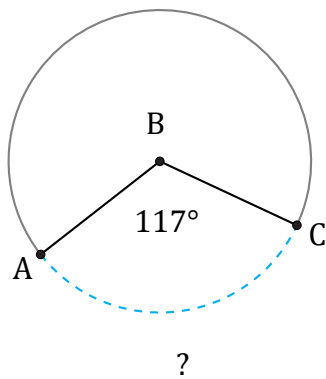


# Longueurs d'un Arc de Cercle (F)

Nom: \_\_\_\_\_

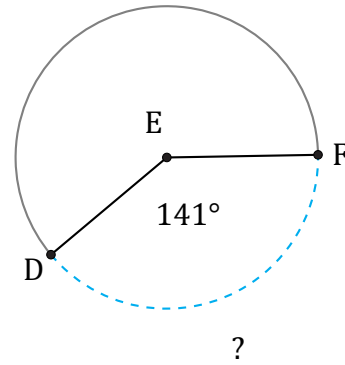
Date: \_\_\_\_\_

Calculez la longueur de l'angle du cercle.



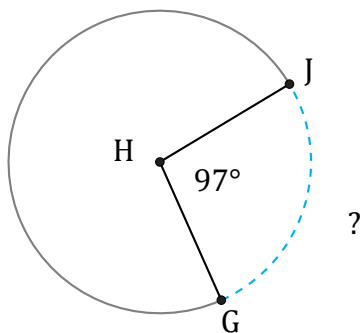
Diamètre = 28 hm

$\widehat{AC} =$



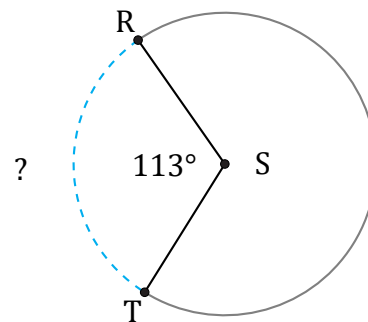
Diamètre = 10 cm

$\widehat{DF} =$



Rayon = 643 cm

$\widehat{GJ} =$



Rayon = 72 km

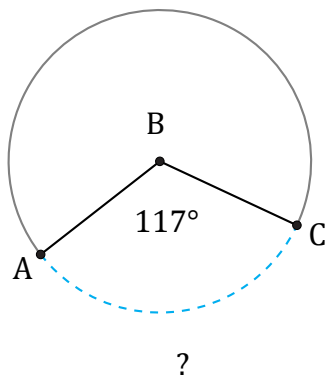
$\widehat{RT} =$

# Longueurs d'un Arc de Cercle (F) Réponses

Nom: \_\_\_\_\_

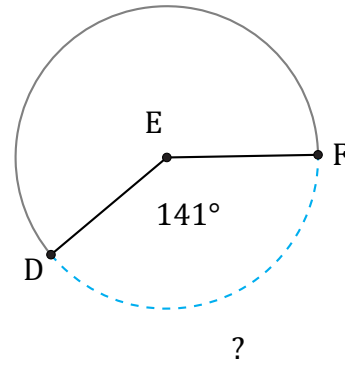
Date: \_\_\_\_\_

Calculez la longueur de l'angle du cercle.



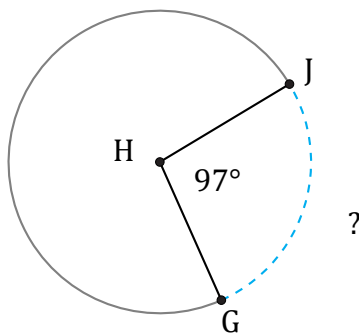
Diamètre = 28 hm

$$\widehat{AC} = \frac{117}{360} \times \pi \times 28 = 28,59 \text{ hm}$$



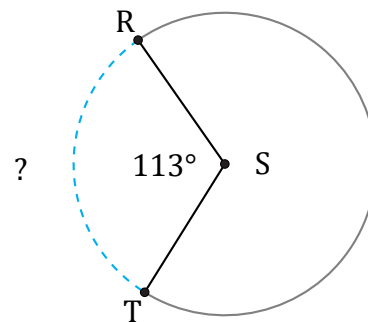
Diamètre = 10 cm

$$\widehat{DF} = \frac{141}{360} \times \pi \times 10 = 12,3 \text{ cm}$$



Rayon = 643 cm

$$\widehat{GJ} = \frac{97}{360} \times \pi \times 643 \times 2 = 1088,58 \text{ cm}$$



Rayon = 72 km

$$\widehat{RT} = \frac{113}{360} \times \pi \times 72 \times 2 = 142 \text{ km}$$