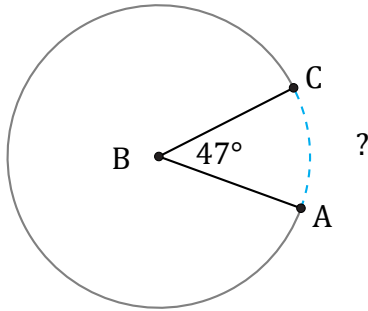


Angles et Longueurs d'un Arc de Cercle (D)

Nom: _____

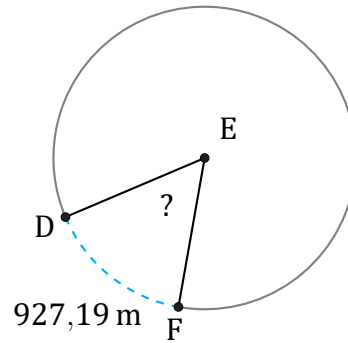
Date: _____

Calculez la longueur de l'arc de cercle et la mesure de l'angle.



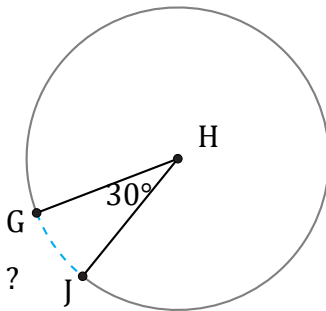
Rayon = 257 cm

$\widehat{AC} =$



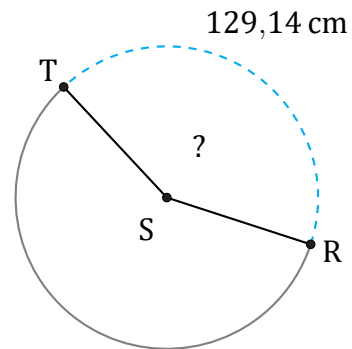
Diamètre = 1864 m

$\angle DEF =$



Rayon = 196 cm

$\widehat{GJ} =$



Diamètre = 98 cm

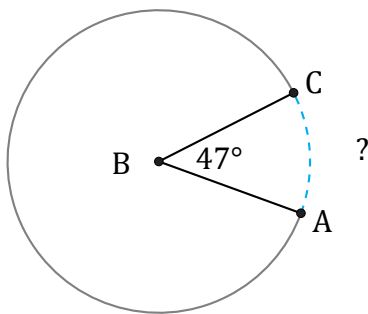
$\angle RST =$

Angles et Longueurs d'un Arc de Cercle (D) Réponses

Nom: _____

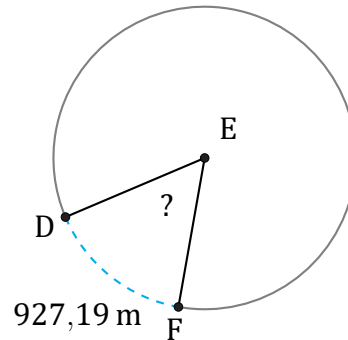
Date: _____

Calculez la longueur de l'arc de cercle et la mesure de l'angle.



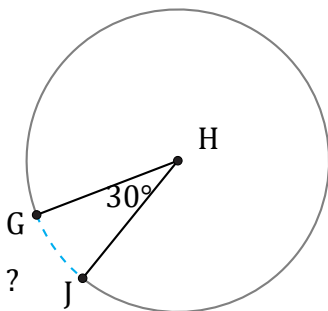
Rayon = 257 cm

$$\widehat{AC} = \frac{47}{360} \times \pi \times 257 \times 2 = 210,82 \text{ cm}$$



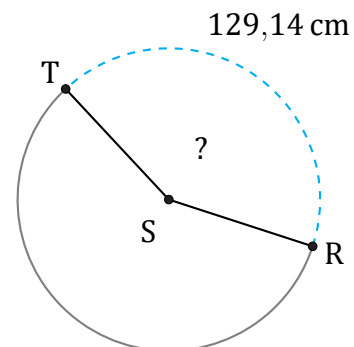
Diamètre = 1864 m

$$\angle DEF = \frac{927,19}{1864 \times \pi} \times 360 = 57^\circ$$



Rayon = 196 hm

$$\widehat{GJ} = \frac{30}{360} \times \pi \times 196 \times 2 = 102,63 \text{ hm}$$



Diamètre = 98 cm

$$\angle RST = \frac{129,14}{98 \times \pi} \times 360 = 151^\circ$$