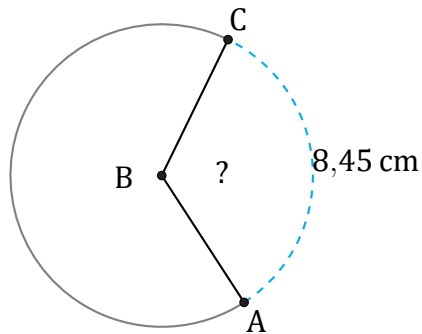


Angles et Longueurs d'un Arc de Cercle (D)

Nom: _____

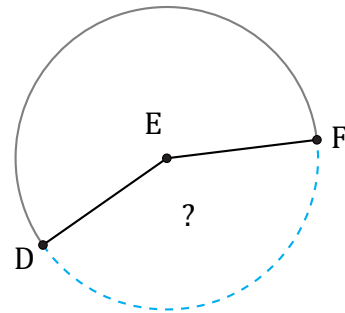
Date: _____

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



Diamètre = 8 cm

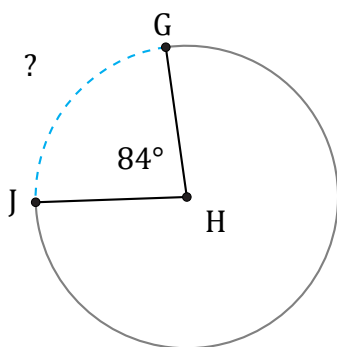
$\angle ABC =$



$5,31 \mu\text{m}$

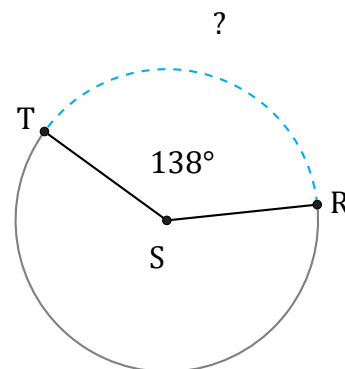
Rayon = $2 \mu\text{m}$

$\angle DEF =$



Rayon = 6 dm

$\widehat{GJ} =$



Circonférence = $213,63 \mu\text{m}$

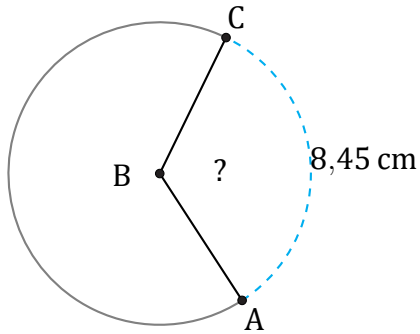
$\widehat{RT} =$

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

Nom: _____

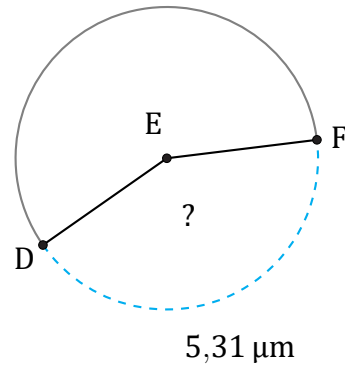
Date: _____

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



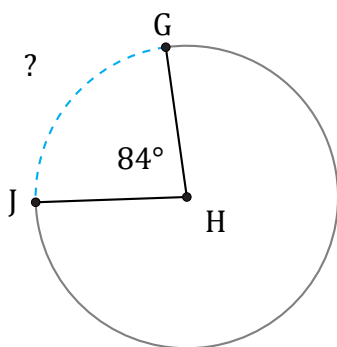
Diamètre = 8 cm

$$\angle ABC = \frac{8,45}{8 \times \pi} \times 360 = 121^\circ$$



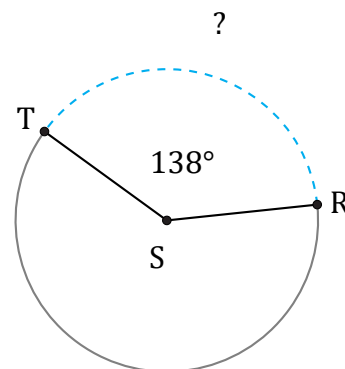
Rayon = 2 μm

$$\angle DEF = \frac{5,31}{2 \times \pi \times 2} \times 360 = 152,1^\circ$$



Rayon = 6 dm

$$\widehat{GJ} = \frac{84}{360} \times \pi \times 6 \times 2 = 8,8 \text{ dm}$$



Circonférence = 213,63 μm

$$\widehat{RT} = \frac{138}{360} \times 213,63 = 81,89 \mu\text{m}$$