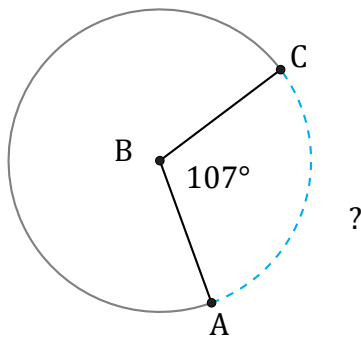


Angles et Longueurs d'un Arc de Cercle (A)

Nom: _____

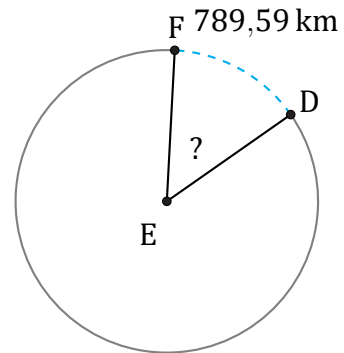
Date: _____

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



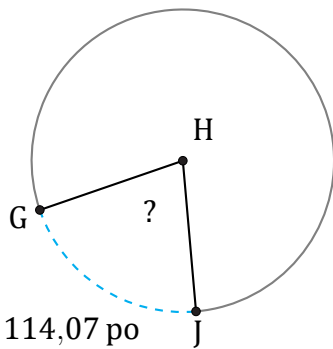
Diamètre = 36 dm

$\widehat{AC} =$



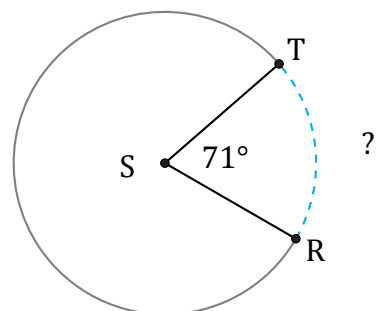
Rayon = 870 km

$\angle DEF =$



Rayon = 86 po

$\angle GHJ =$



Diamètre = 14 po

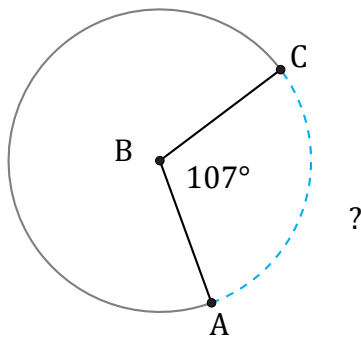
$\widehat{RT} =$

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

Nom: _____

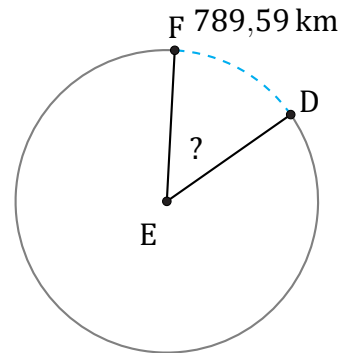
Date: _____

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



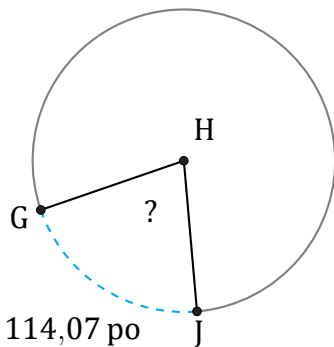
Diamètre = 36 dm

$$\widehat{AC} = \frac{107}{360} \times \pi \times 36 = 33,62 \text{ dm}$$



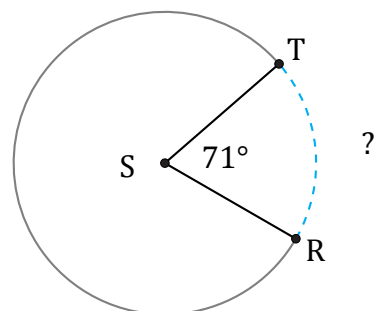
Rayon = 870 km

$$\angle DEF = \frac{789,59}{870 \times \pi \times 2} \times 360 = 52^\circ$$



Rayon = 86 po

$$\angle GHJ = \frac{114,07}{86 \times \pi \times 2} \times 360 = 76^\circ$$



Diamètre = 14 po

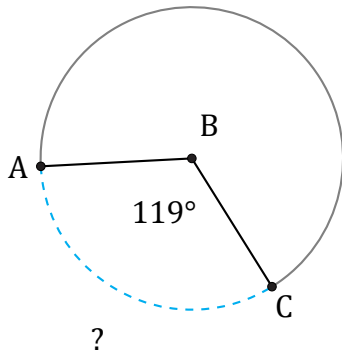
$$\widehat{RT} = \frac{71}{360} \times \pi \times 14 = 8,67 \text{ po}$$

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

Nom: _____

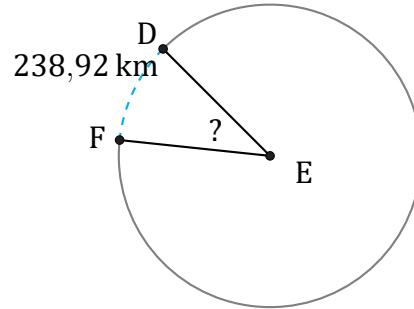
Date: _____

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



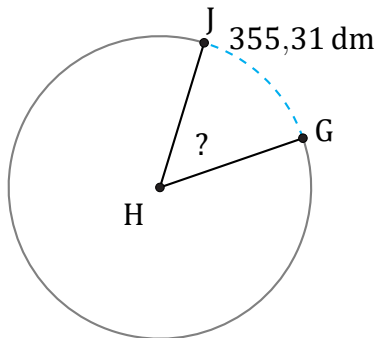
Rayon = 5 cm

$\widehat{AC} =$



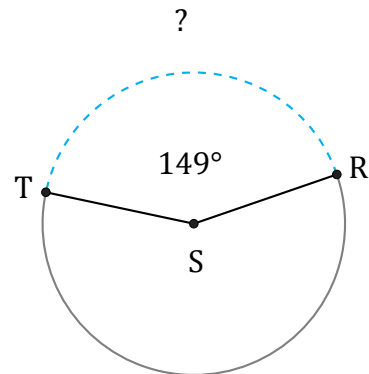
Rayon = 351 km

$\angle DEF =$



Diamètre = 754 dm

$\angle GHJ =$



Diamètre = 1174 m

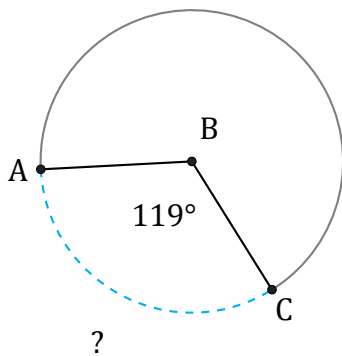
$\widehat{RT} =$

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

Nom: _____

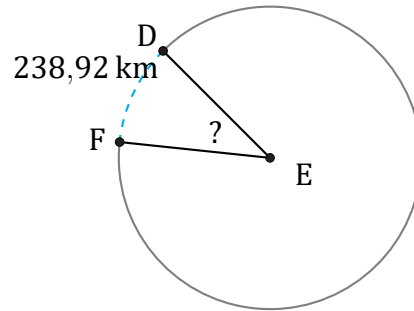
Date: _____

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



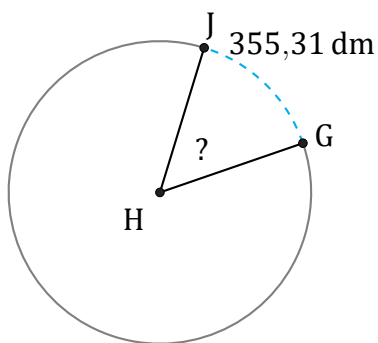
Rayon = 5 cm

$$\widehat{AC} = \frac{119}{360} \times \pi \times 5 \times 2 = 10,38 \text{ cm}$$



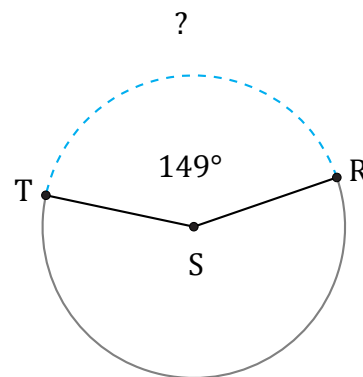
Rayon = 351 km

$$\angle DEF = \frac{238,92}{351 \times \pi \times 2} \times 360 = 39^\circ$$



Diamètre = 754 dm

$$\angle GHJ = \frac{355,31}{754 \times \pi} \times 360 = 54^\circ$$



Diamètre = 1174 m

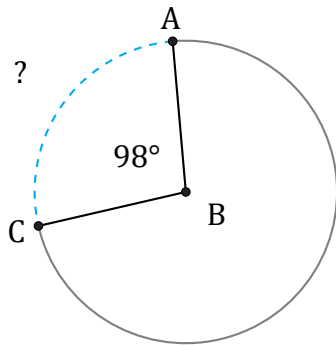
$$\widehat{RT} = \frac{149}{360} \times \pi \times 1174 = 1526,52 \text{ m}$$

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

Nom: _____

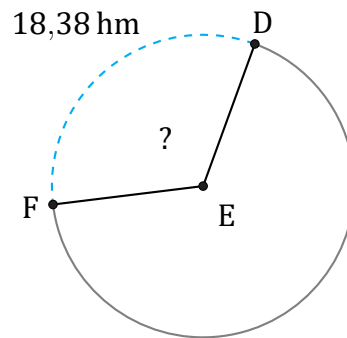
Date: _____

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



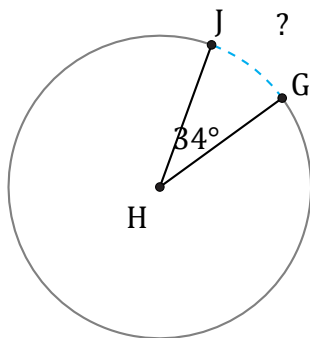
Rayon = 8 dm

$\widehat{AC} =$



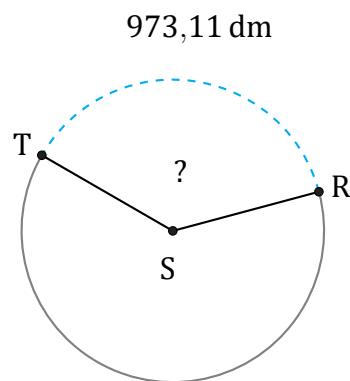
Diamètre = 18 hm

$\angle DEF =$



Diamètre = 14 cm

$\widehat{GJ} =$



Rayon = 413 dm

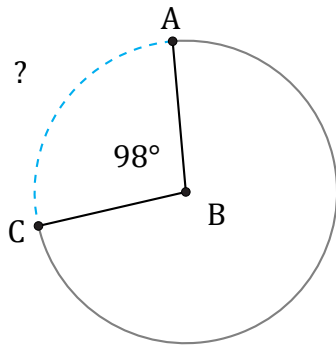
$\angle RST =$

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

Nom: _____

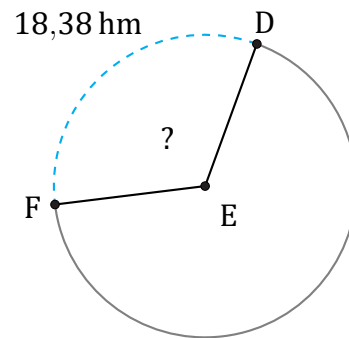
Date: _____

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



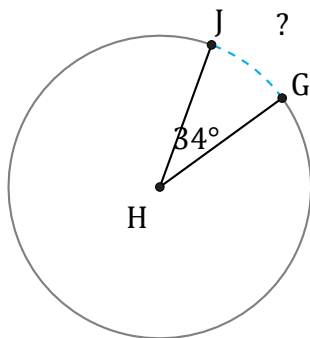
Rayon = 8 dm

$$\widehat{AC} = \frac{98}{360} \times \pi \times 8 \times 2 = 13,68 \text{ dm}$$



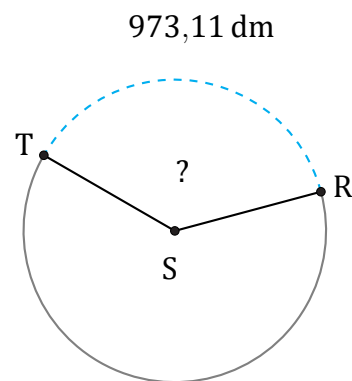
Diamètre = 18 hm

$$\angle DEF = \frac{18,38}{18 \times \pi} \times 360 = 117^\circ$$



Diamètre = 14 cm

$$\widehat{GJ} = \frac{34}{360} \times \pi \times 14 = 4,15 \text{ cm}$$



Rayon = 413 dm

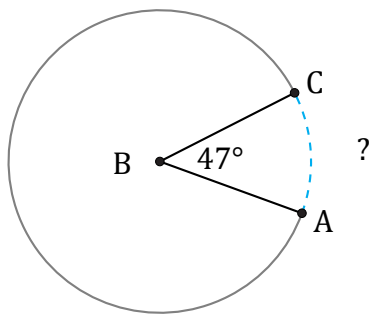
$$\angle RST = \frac{973,11}{413 \times \pi \times 2} \times 360 = 135^\circ$$

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

Nom: _____

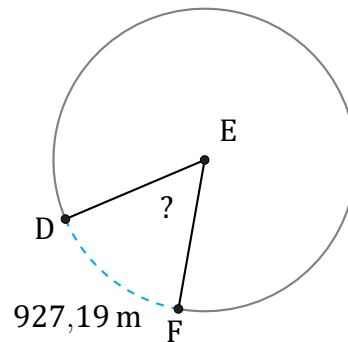
Date: _____

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



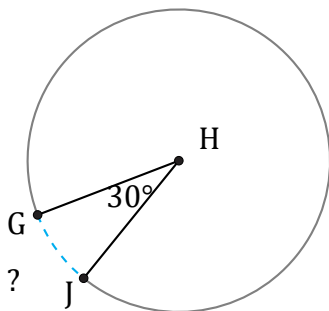
Rayon = 257 cm

$\widehat{AC} =$



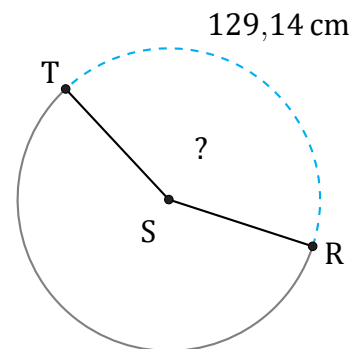
Diamètre = 1864 m

$\angle DEF =$



Rayon = 196 hm

$\widehat{GJ} =$



Diamètre = 98 cm

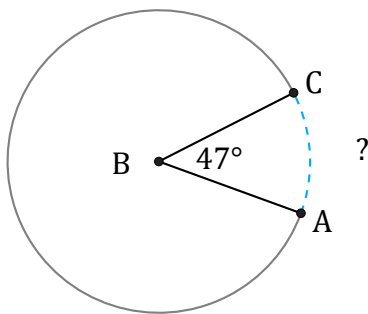
$\angle RST =$

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

Nom: _____

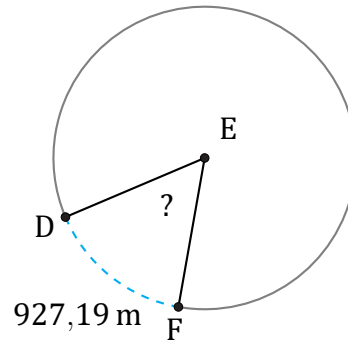
Date: _____

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



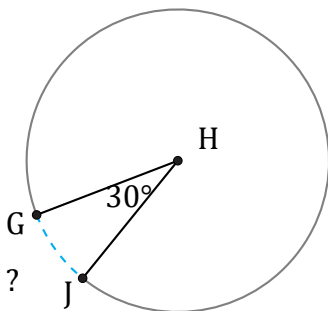
Rayon = 257 cm

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



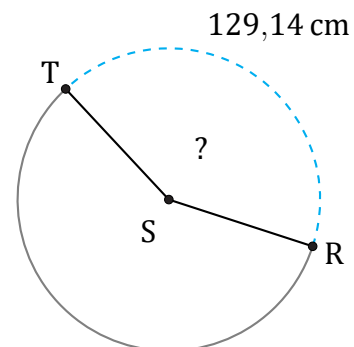
Diamètre = 1864 m

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



Rayon = 196 hm

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



Diamètre = 98 cm

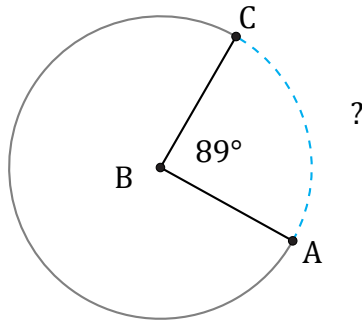
$$\angle RST = \frac{129,14}{98 \times \pi} \times 360 = 151^\circ$$

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

Nom: _____

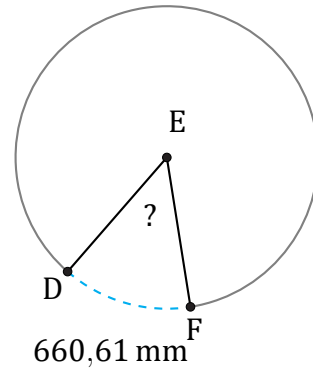
Date: _____

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



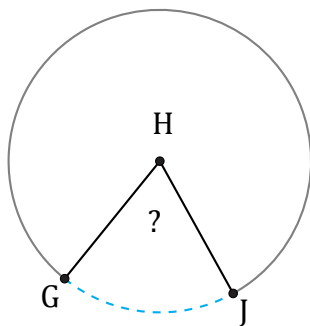
Diamètre = 22 m

$\widehat{AC} =$



Rayon = 757 mm

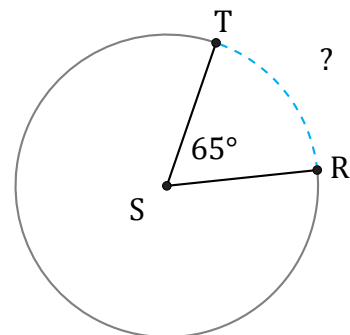
$\angle DEF =$



10,68 km

Rayon = 9 km

$\angle GHJ =$



Diamètre = 740 dm

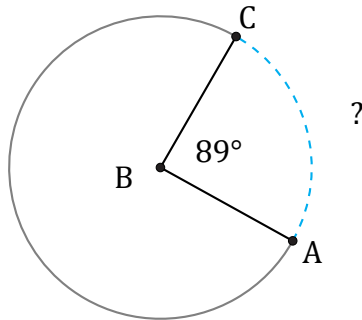
$\widehat{RT} =$

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

Nom: _____

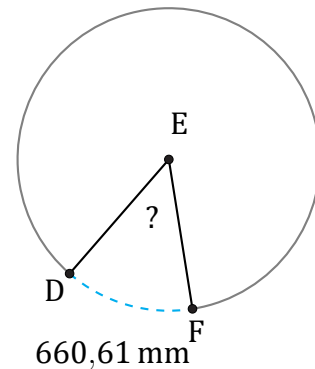
Date: _____

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



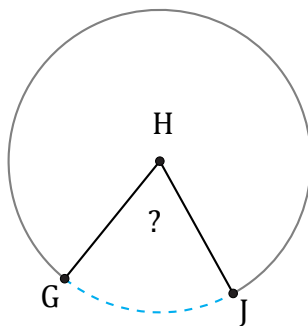
Diamètre = 22 m

$$\widehat{AC} = \frac{89}{360} \times \pi \times 22 = 17,09 \text{ m}$$



Rayon = 757 mm

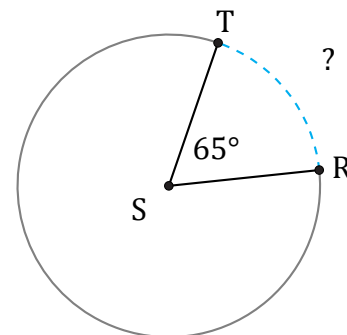
$$\angle DEF = \frac{660,61}{757 \times \pi \times 2} \times 360 = 50^\circ$$



10,68 km

Rayon = 9 km

$$\angle GHJ = \frac{10,68}{9 \times \pi \times 2} \times 360 = 68^\circ$$



Diamètre = 740 dm

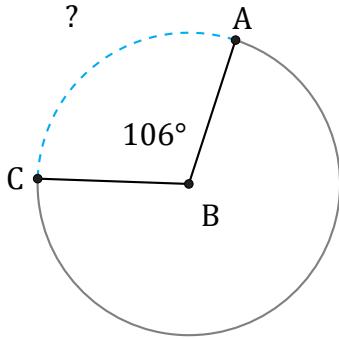
$$\widehat{RT} = \frac{65}{360} \times \pi \times 740 = 419,75 \text{ dm}$$

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

Nom: _____

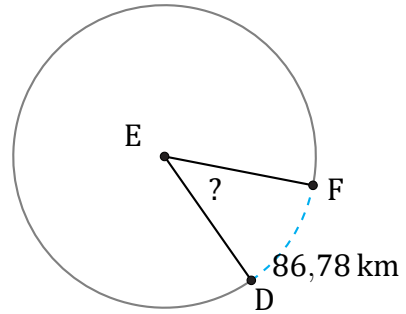
Date: _____

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



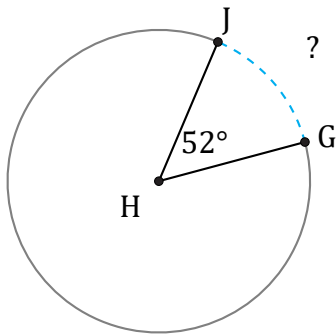
Rayon = 498 μm

$\widehat{AC} =$



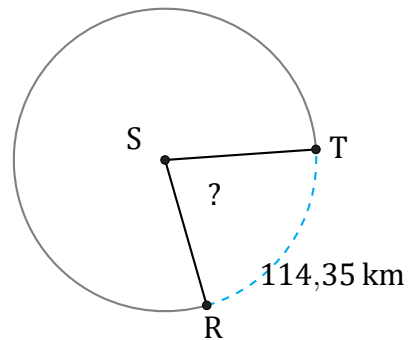
Rayon = 113 km

$\angle DEF =$



Diamètre = 1796 po

$\widehat{GJ} =$



Diamètre = 168 km

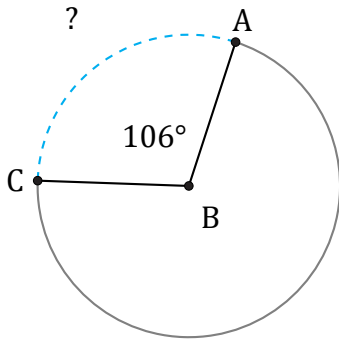
$\angle RST =$

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

Nom: _____

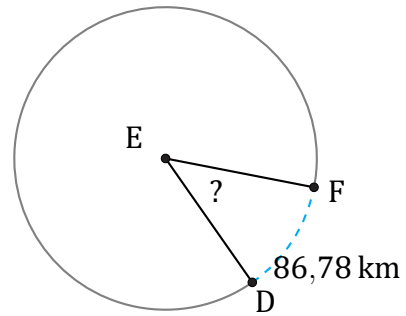
Date: _____

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



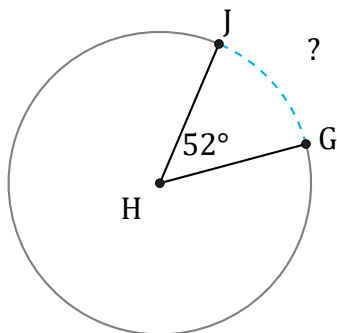
Rayon = 498 μm

$$\widehat{AC} = \frac{106}{360} \times \pi \times 498 \times 2 = 921,32 \mu\text{m}$$



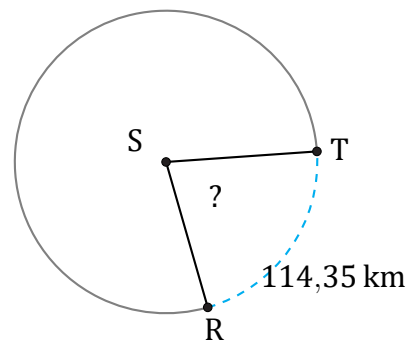
Rayon = 113 km

$$\angle DEF = \frac{86,78}{113 \times \pi \times 2} \times 360 = 44^\circ$$



Diamètre = 1796 po

$$\widehat{GJ} = \frac{52}{360} \times \pi \times 1796 = 815 \text{ po}$$



Diamètre = 168 km

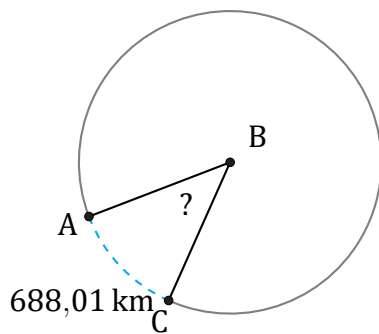
$$\angle RST = \frac{114,35}{168 \times \pi} \times 360 = 78^\circ$$

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

Nom: _____

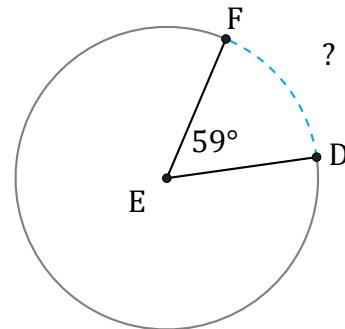
Date: _____

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



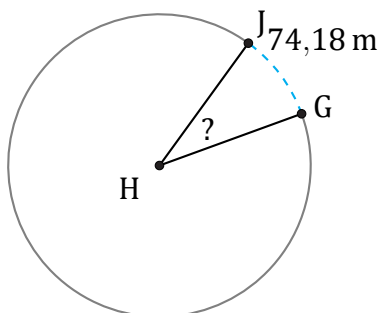
Diamètre = 1752 km

$\angle ABC =$



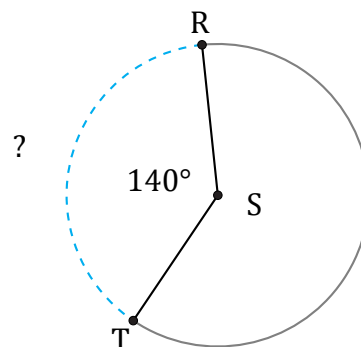
Rayon = 65 μm

$\widehat{DF} =$



Rayon = 125 m

$\angle GHJ =$



Diamètre = 36 dm

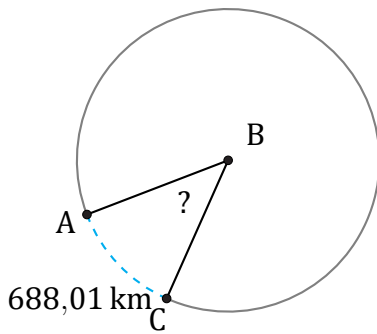
$\widehat{RT} =$

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

Nom: _____

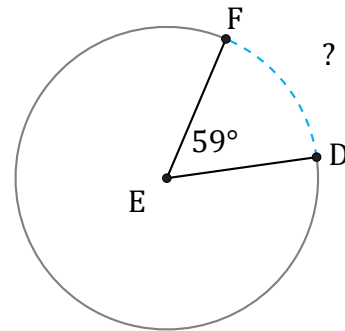
Date: _____

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



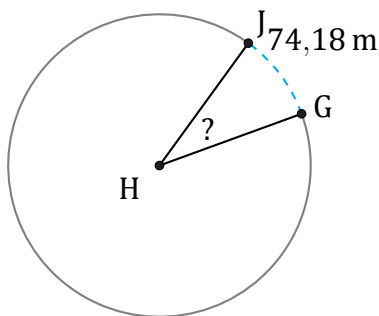
Diamètre = 1752 km

$$\angle ABC = \frac{688,01}{1752 \times \pi} \times 360 = 45^\circ$$



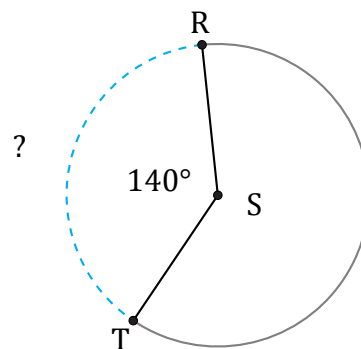
Rayon = 65 μ m

$$\widehat{DF} = \frac{59}{360} \times \pi \times 65 \times 2 = 66,93 \mu\text{m}$$



Rayon = 125 m

$$\angle GHJ = \frac{74,18}{125 \times \pi \times 2} \times 360 = 34^\circ$$



Diamètre = 36 dm

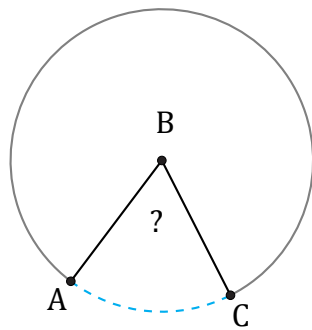
$$\widehat{RT} = \frac{140}{360} \times \pi \times 36 = 43,98 \text{ dm}$$

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

Nom: _____

Date: _____

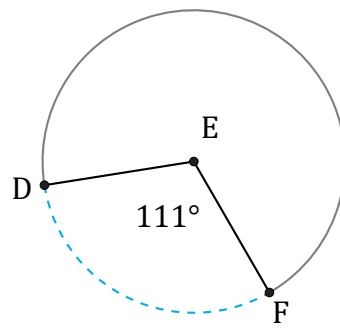
Calculez la longueur de l'arc de cercle et la mesure de l'angle.



3,35 km

Diamètre = 6 km

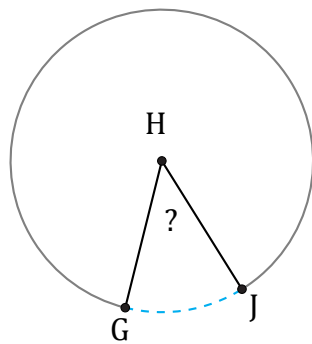
$\angle ABC =$



?

Rayon = 65 hm

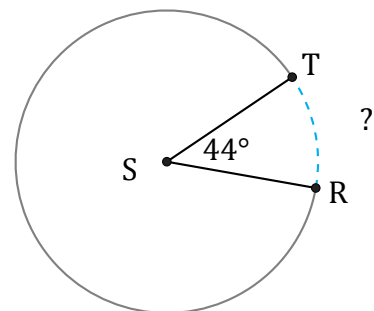
$\widehat{DF} =$



545,14 μm

Diamètre = 1358 μm

$\angle GHJ =$



?

Rayon = 987 po

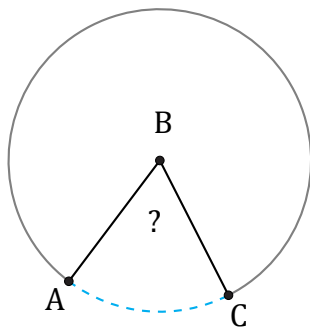
$\widehat{RT} =$

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

Nom: _____

Date: _____

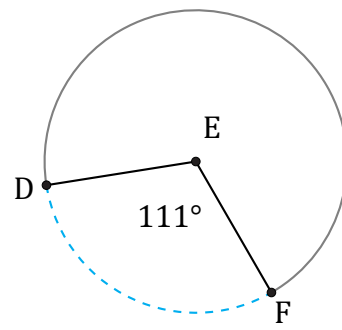
Calculez la longueur de l'arc de cercle et la mesure de l'angle.



3,35 km

Diamètre = 6 km

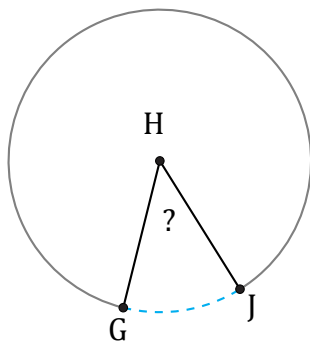
$$\angle ABC = \frac{3,35}{6 \times \pi} \times 360 = 64^\circ$$



?

Rayon = 65 hm

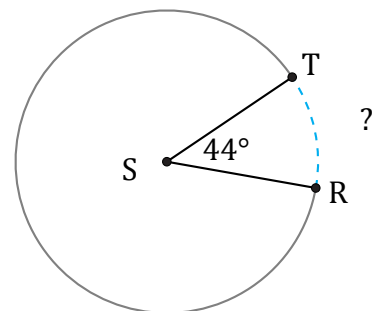
$$\widehat{DF} = \frac{111}{360} \times \pi \times 65 \times 2 = 125,93 \text{ hm}$$



545,14 μm

Diamètre = 1358 μm

$$\angle GHJ = \frac{545,14}{1358 \times \pi} \times 360 = 46^\circ$$



?

Rayon = 987 po

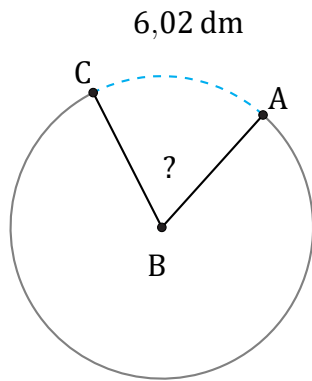
$$\widehat{RT} = \frac{44}{360} \times \pi \times 987 \times 2 = 757,96 \text{ po}$$

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

Nom: _____

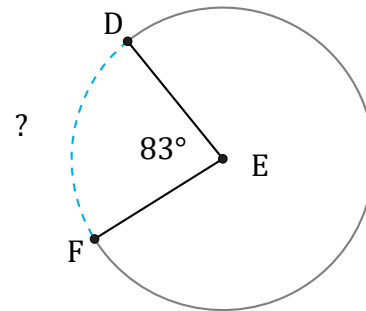
Date: _____

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



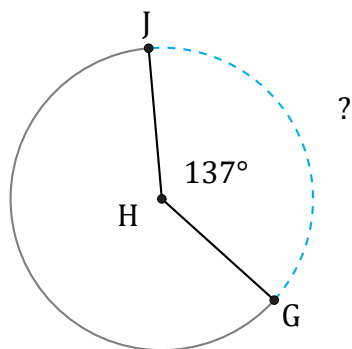
Rayon = 5 dm

$\angle ABC =$



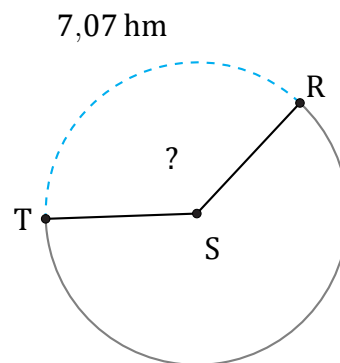
Diamètre = 186 dm

$\widehat{DF} =$



Diamètre = 1710 m

$\widehat{GJ} =$



Rayon = 3 hm

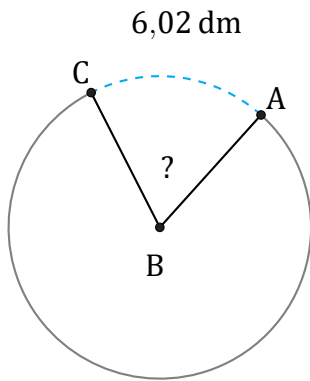
$\angle RST =$

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

Nom: _____

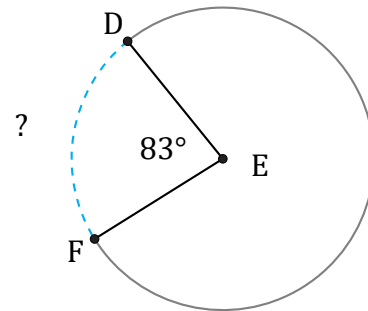
Date: _____

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



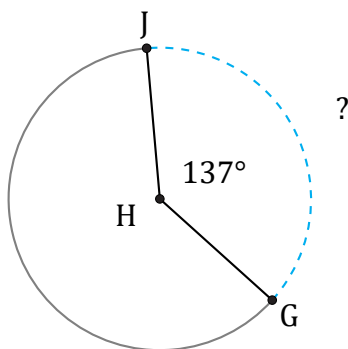
Rayon = 5 dm

$$\angle ABC = \frac{6,02}{5 \times \pi \times 2} \times 360 = 69^\circ$$



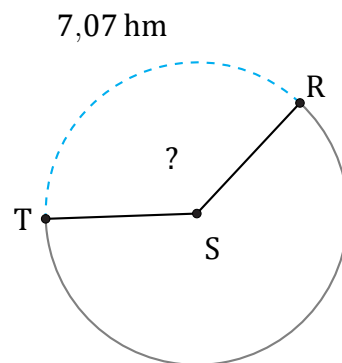
Diamètre = 186 dm

$$\widehat{DF} = \frac{83}{360} \times \pi \times 186 = 134,72 \text{ dm}$$



Diamètre = 1710 m

$$\widehat{GJ} = \frac{137}{360} \times \pi \times 1710 = 2044,39 \text{ m}$$



Rayon = 3 hm

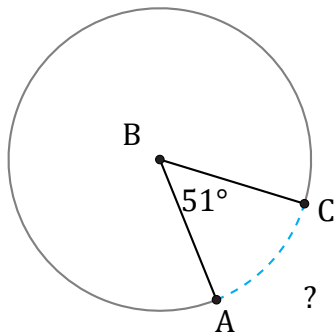
$$\angle RST = \frac{7,07}{3 \times \pi \times 2} \times 360 = 135^\circ$$

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

Nom: _____

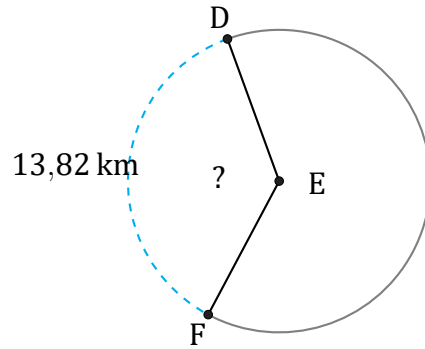
Date: _____

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



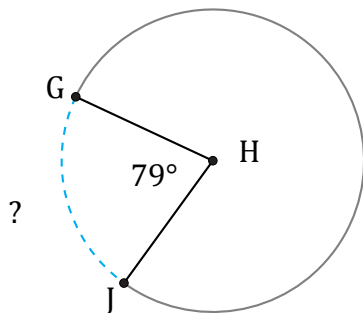
Rayon = 8 mm

$\widehat{AC} =$



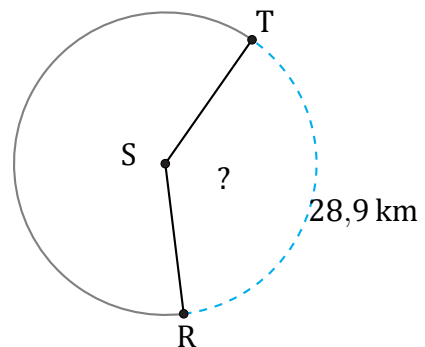
Diamètre = 12 km

$\angle DEF =$



Diamètre = 778 hm

$\widehat{GJ} =$



Rayon = 12 km

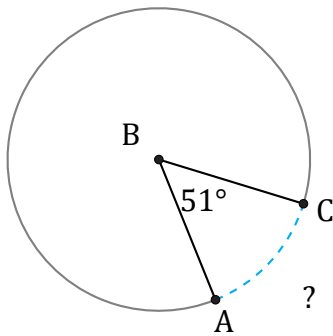
$\angle RST =$

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

Nom: _____

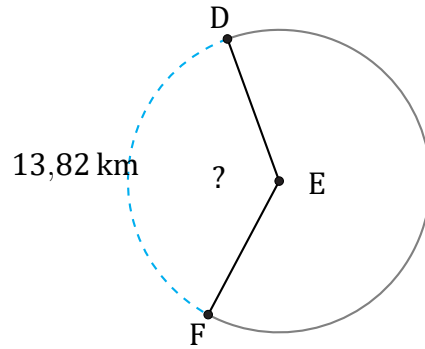
Date: _____

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



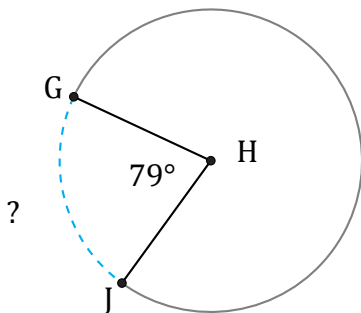
Rayon = 8 mm

$$\widehat{AC} = \frac{51}{360} \times \pi \times 8 \times 2 = 7,12 \text{ mm}$$



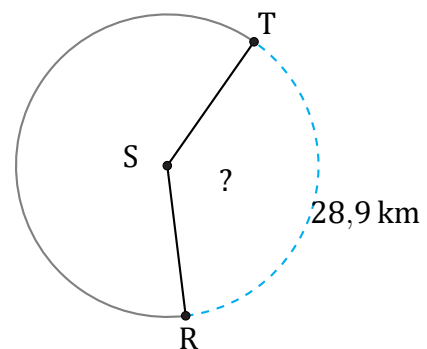
Diamètre = 12 km

$$\angle DEF = \frac{13,82}{12 \times \pi} \times 360 = 132^\circ$$



Diamètre = 778 hm

$$\widehat{GJ} = \frac{79}{360} \times \pi \times 778 = 536,36 \text{ hm}$$



Rayon = 12 km

$$\angle RST = \frac{28,9}{12 \times \pi \times 2} \times 360 = 138^\circ$$