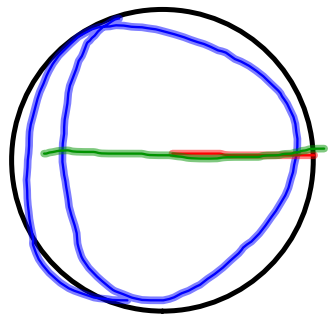


Une verre a base circulaire dont la circonférence est de 24.2 cm.

Calcule le diamètre de la base circulaire?

On fabrique un dessous de verre circulaire qui dépasse de 1cm la base du verre. Quel est le diamètre du dessous de verre.

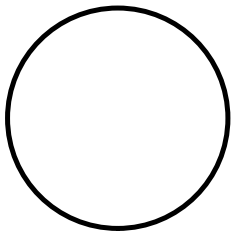
calcule la circonférence du dessous de verre



La circonférence

rayon
diamètre

π
3,14



$$d = 8,5 \text{ cm}$$

$$r = \frac{d}{2}$$

$$r = \frac{8,5}{2}$$

$$r = 4,25$$

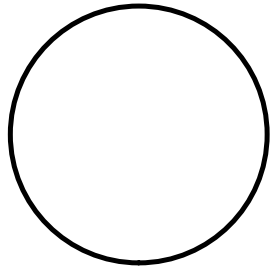
$$C = ?$$

$$C = 2\pi r$$

$$C = \pi d$$

$$C = \pi (8,5 \text{ cm})$$

$$C = 26,79 \text{ cm}$$



$r=?$

$$c = 2,4\text{m}$$

$$d = \frac{c}{\pi}$$

$d=?$

$$c = \pi d$$

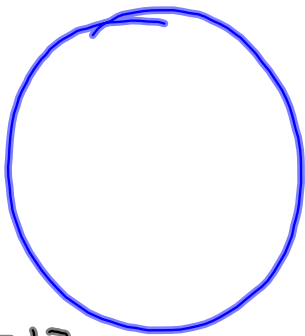
$$2,4\text{m} = \pi d$$

$$d = \frac{2,4}{\pi}$$

$$d = 0,7643312$$

$$d = 0,76\text{m}$$

$$r = ? = \frac{d}{2} = \frac{0,76\text{m}}{2} = 0,38\text{m}$$



$$C = 13 \text{ cm}$$

$$d = ?$$

$$r = ?$$

$$d = \frac{C}{\pi}$$

$$C = 13 \text{ cm}$$
$$r = \frac{C}{2\pi}$$

$$d = \frac{13 \text{ cm}}{3,14}$$

$$d = 4,14 \text{ cm}$$

$$r = \frac{d}{2}$$

$$r = \frac{4,14 \text{ cm}}{2} = 2,07 \text{ cm}$$

Trouver une circonférence

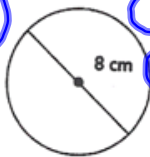
10.12 Les propriétés des cercles

Estime la circonférence de chaque cercle, puis calcule-la au dixième de centimètre près.

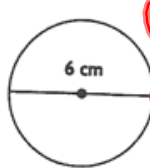
$$Q2. C_c = 3(6) \\ = 18 \text{ cm}$$

$$C = \pi d \\ = 3,14(6 \text{ cm}) \\ = 18,8 \text{ cm}$$

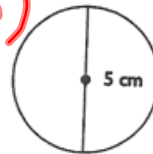
$$C_c = 3(8) \\ C_c = 24$$



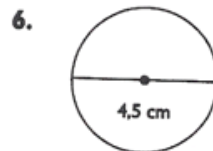
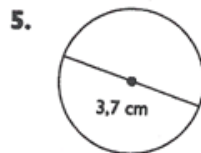
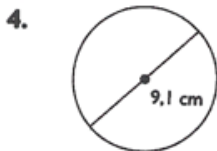
$$C = \pi d \\ C = 3,14(8) \\ = 25,1$$



$$C_c = 3(5) \\ C_c = 15$$

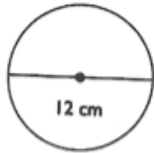


$$C = \pi d \\ = 3,14(5) \\ = 15,7$$

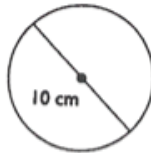


Quelle est la mesure du rayon de chaque cercle?

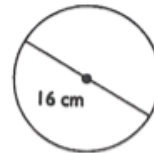
7.



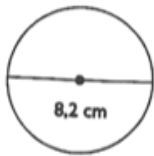
8.



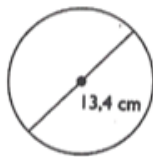
9.



10.



11.



12.



$$7, r = \frac{d}{2}$$
$$r = \frac{12}{2} = 6 \text{ cm}$$

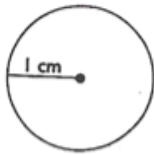
$$8, r = \frac{d}{2}$$
$$r = \frac{10}{2} = 5 \text{ cm}$$

$$9, r = \frac{d}{2}$$
$$r = \frac{16}{2} = 8 \text{ cm}$$

$$10, r = \frac{d}{2}$$
$$= \frac{8,2}{2} = 4,1$$

Calcule la circonférence au dixième de centimètre près.

13.



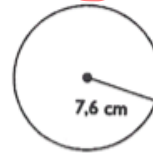
14.

$C = 13,8 \text{ cm}$



15.

$C = 47,7 \text{ cm}$



$$d = 2r$$

$$d = 2(1)$$

$$d = 2 \text{ cm}$$

$$C = 2\pi r$$

$$= 2(3,14)(1 \text{ cm})$$

$$C = \pi d = 6,28 \text{ cm}$$

$$C = 3,14(2) = 6,3 \text{ cm}$$