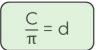




1.  $C = \pi d$  has been rearranged to make d the subject.



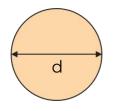




Circle the correct answer.

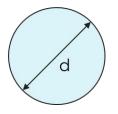
2. In terms of  $\pi$ , find the diameter of these circles.

a)



Circumference = 10 m

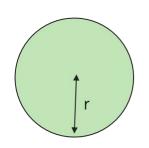
b)



Circumference = 20 cm

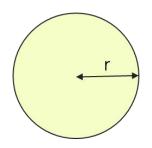
3. Find the diameter and radius of these circles to three significant figures.

a)



Circumference = 15 mm

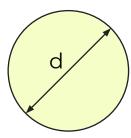
b)



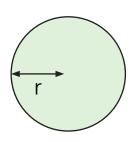
Circumference = 8.2 cm



- 4. Spot the mistake and correct it.
  - a) Circumference = 5.6 m
- b) Circumference = 64.8 m



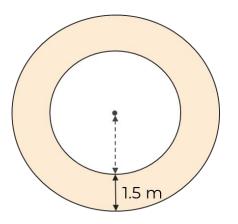
$$d = \frac{\pi}{560} \text{ cm}$$



$$r = \frac{32.4}{\pi} \, \text{m}$$

c) Write each **diameter** to 3 significant figures in metres.

5. Two circles have the same centre.



If the circumference of the outer circle is  $8\pi$ , what is the circumference of the inner circle to 3 significant figures?

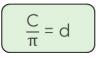


## **Answers**



1. C =  $\pi$ d has been rearranged to make d the subject.



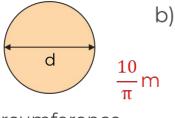




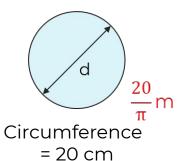
Circle the correct answer.

2. In terms of  $\pi$ , find the diameter of these circles.

a)

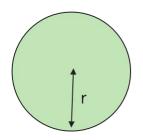


Circumference = 10 m



3. Find the diameter and radius of these circles to three significant figures.

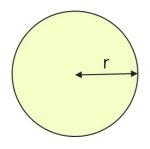
a)



Circumference = 15 mm

Diameter = 4.77 mm Radius = 2.39 mm

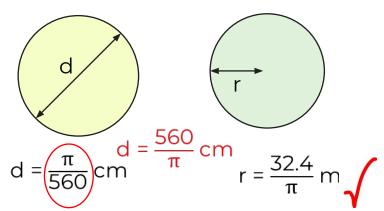
b)



Circumference = 8.2 cm Diameter = 2.61 cm Radius = 1.31 cm

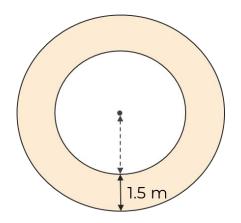


- 4. Spot the mistake and correct it.
  - a) Circumference b) Circumference = 5.6 m = 64.8 m



c) Write each **diameter** to 3 significant figures in metres. a) d = 1.78 m b) 10.3 m

5. Two circles have the same centre.



If the circumference of the outer circle is  $8\pi$ , what is the circumference of the inner circle to 3 significant figures?  $5\pi = 15.7 \text{ m}$ 

