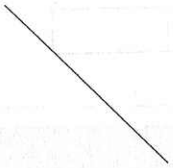
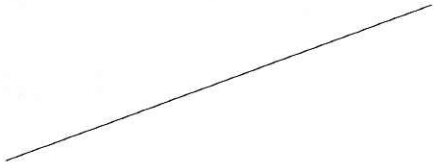
EXERCISE 9

1. Draw a circle with the given line as a radius.



2. Draw a circle with the given line as a diameter.

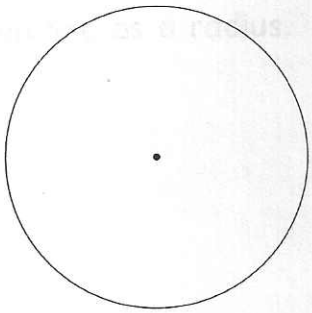


3. Draw a circle of radius 5 cm.

4. Draw a circle of diameter 8 cm.

5. Measure the radius and diameter of each circle.

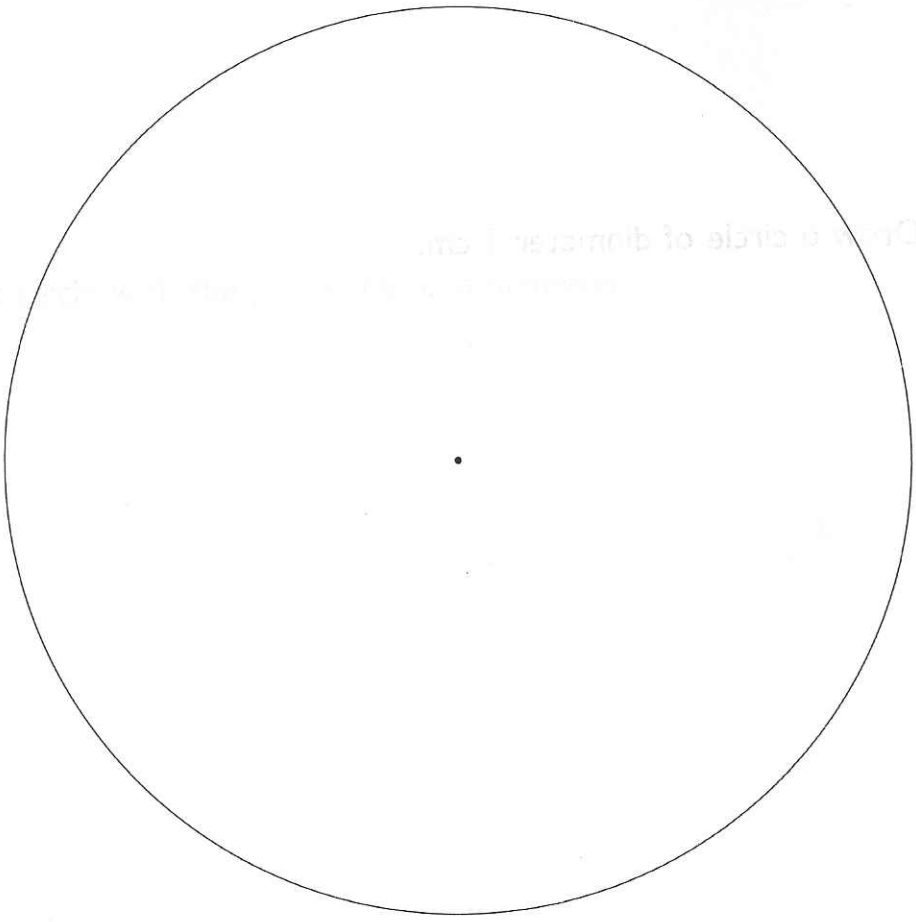
(a)



Radius =

Diameter =

(b)

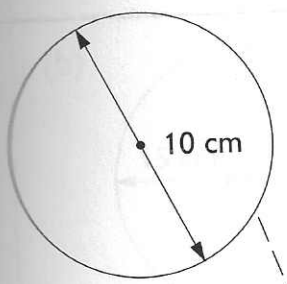


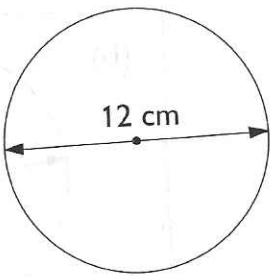
Radius =

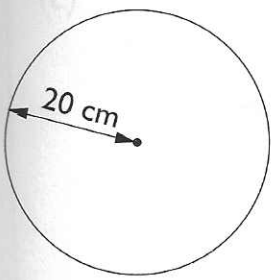
Diameter =

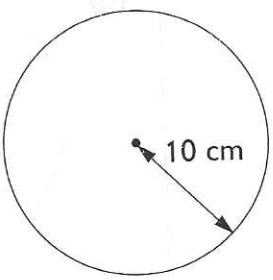
EXERCISE 10

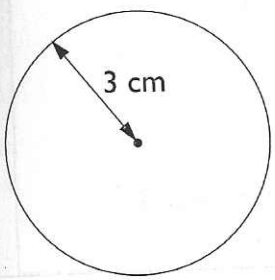
1. Match each circle with its circumference.

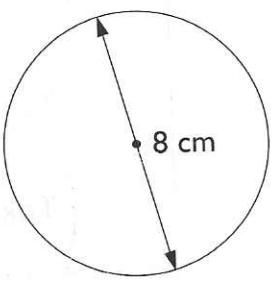












37.7 cm

62.8 cm

18.8 cm

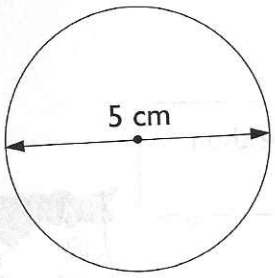
31.4 cm

25.1 cm

125.6 cm

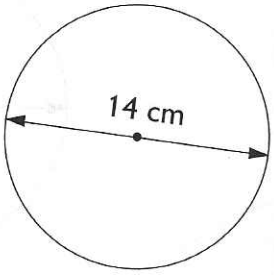
2. Find the circumference of each circle.

(a)



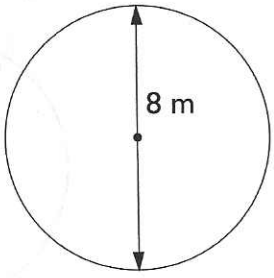
(Take $\pi = 3.14$)

(b)



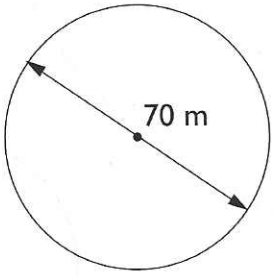
$\left(\text{Take } \pi = \frac{22}{7}\right)$

(c)



(Take $\pi = 3.14$)

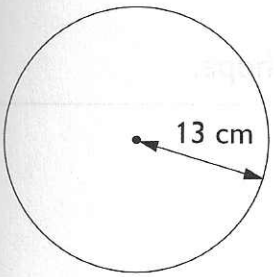
(d)



$\left(\text{Take } \pi = \frac{22}{7}\right)$

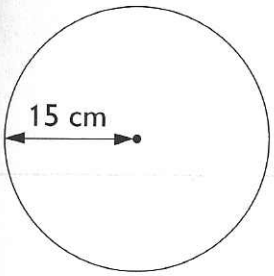
3. Find the circumference of each circle.

(a)



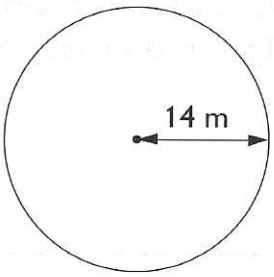
(Take $\pi = 3.14$)

(b)



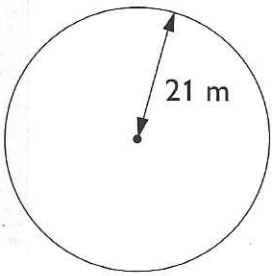
(Take $\pi = 3.14$)

(c)



$\left(\text{Take } \pi = \frac{22}{7}\right)$

(d)

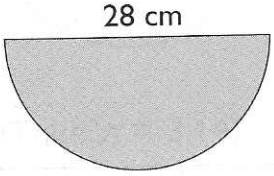


$\left(\text{Take } \pi = \frac{22}{7}\right)$

EXERCISE 11

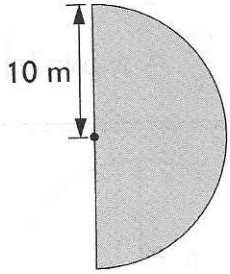
1. Find the perimeter of each semicircular shape.

(a)



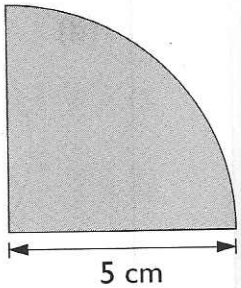
$\left(\text{Take } \pi = \frac{22}{7}\right)$

(b)

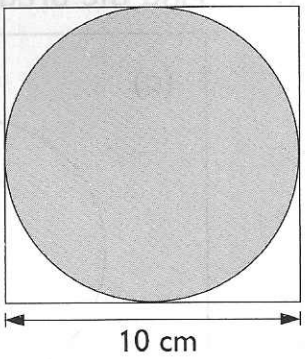


(Take $\pi = 3.14$)

2. The figure shows a piece of paper which has a shape of a quarter circle. Find its perimeter. (Take $\pi = 3.14$)



3. The figure shows a circle within a square. Find the circumference of the circle. (Take $\pi = 3.14$)



4. The curve is made up of 2 semicircles as shown. Find its length. Leave your answer in terms of π.