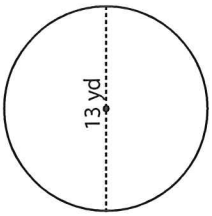
Name : _____ Score : _____

Circle - Circumference

Radius/Diameter Easy: S1

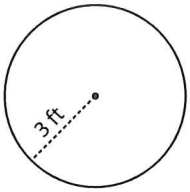
Find the exact circumference of each circle.

1)



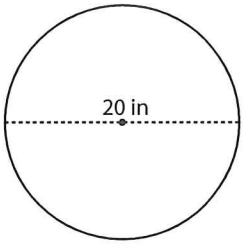
Circumference =_____

2)



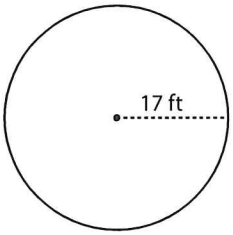
Circumference =_____

3)



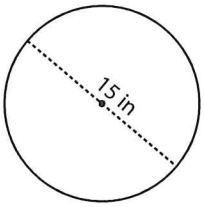
Circumference =_____

4)



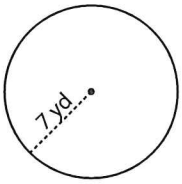
Circumference =_____

5)



Circumference =_____

6)



Circumference =_____

7) A bike wheel has a diameter of 10 in. What is the circumference of the wheel?

Circumference =_____

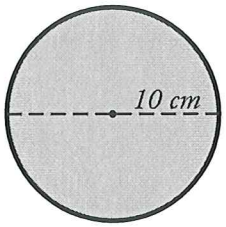
8) A minute-hand of a clock is 16 in long. Find the distance traveled by the tip of the minute-hand in one hour.

Circumference =_____

Name: _____

Circumference of a Circle

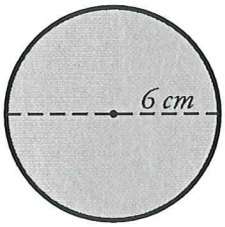
To find the circumference of a circle, use the formula **pi x diameter = circumference**.
This formula is often written as $C = \pi \times d$.



The circle pictured here has a diameter of 10 cm.
d = 10 cm
$\pi \approx 3.14$
10 cm x 3.14 = 31.4 cm

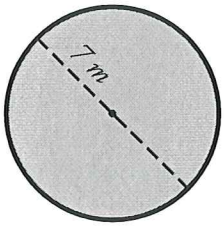
Find the circumference of each circle. Use 3.14 for pi.

a.



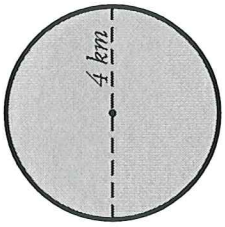
_____

b.



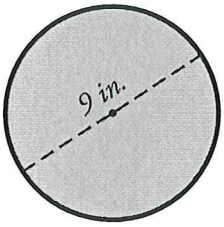
_____

c.



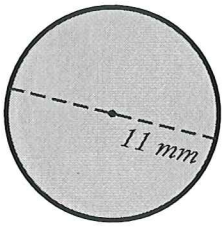
_____

d.



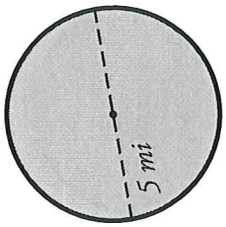
_____

e.



_____

f.



_____

g. Karla and Jeremy have a cicular pool with a diameter of 12 feet. What is the circumference of the pool?

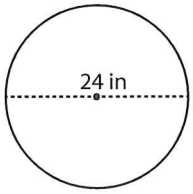
_____

Name : _____ Score : _____

Circle - Circumference

Diameter Moderate: S1

Example :



Circumference of a circle = 2πr or **πd**

Diameter (d) = 24 in

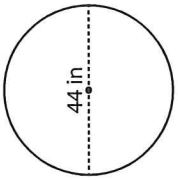
Circumference = πd

= 3.14 x 24

Circumference = **75.4 in**

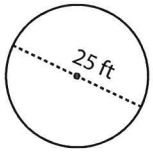
Find the circumference of each circle. Round the answer to tenth decimal place. (use π=3.14)

1)



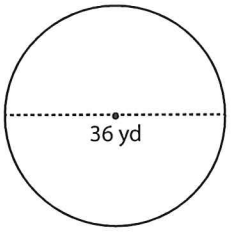
Circumference = _____

2)



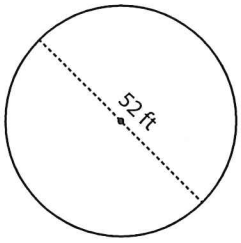
Circumference = _____

3)



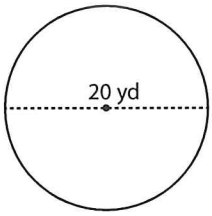
Circumference = _____

4)



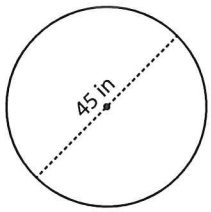
Circumference = _____

5)



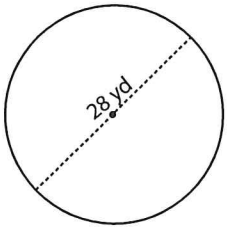
Circumference = _____

6)



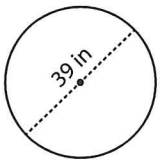
Circumference = _____

7)



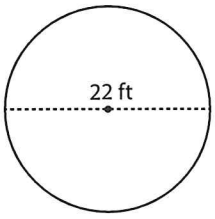
Circumference = _____

8)



Circumference = _____

9)



Circumference = _____

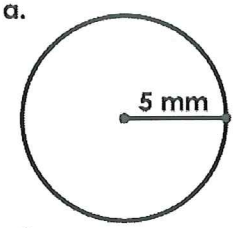
Circumference = $2\pi r$ or πd
$(2 \times \pi \times r)$ $\pi \times d$

Name: _____ Calculating the Radius and Diameter of a Circle

Radius and Diameter

What is the radius and diameter of each circle?

a.

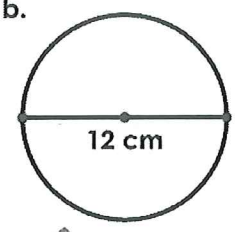


C =

radius = _____

diameter = _____

b.

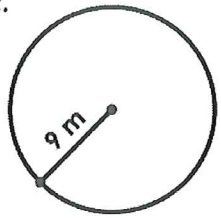


C =

radius = _____

diameter = _____

c.

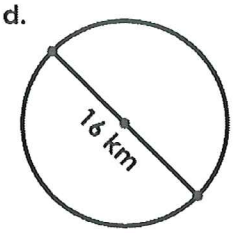


C =

radius = _____

diameter = _____

d.

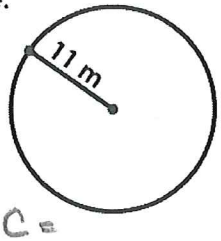


C =

radius = _____

diameter = _____

e.

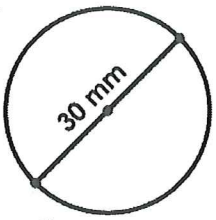


C =

radius = _____

diameter = _____

f.

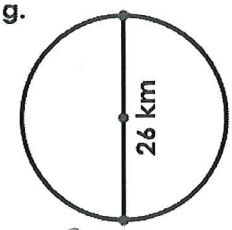


C =

radius = _____

diameter = _____

g.

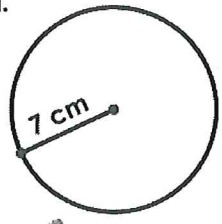


C =

radius = _____

diameter = _____

h.

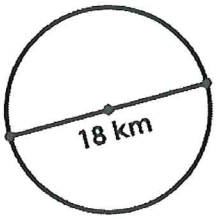


C =

radius = _____

diameter = _____

i.

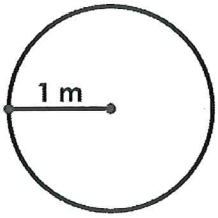


C =

radius = _____

diameter = _____

j.

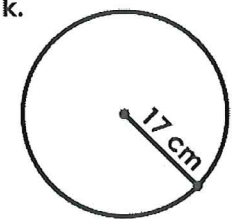


C =

radius = _____

diameter = _____

k.

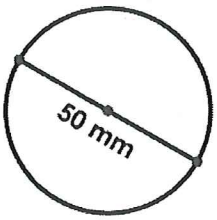


C =

radius = _____

diameter = _____

l.



C =

radius = _____

diameter = _____

m. John has a round swimming pool. The distance from the center of the pool to the edge is 3 meters. What is the diameter of John's pool?

answer: _____

C = _____