

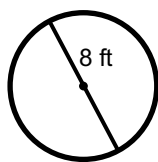
15.1 Circles

Math 7

15.1 Practice

Instructions: Find the missing pieces of each circle. Round answers to the nearest hundredth, if necessary.

1.



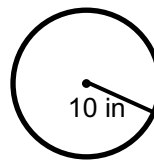
Radius: 4 ft.

Diameter: 8 ft.

Cir: $C = \pi D$
 $C = (3.14)(8)$
 $C = 25.12 \text{ ft.}$

Area: $A = \pi r^2$
 $A = (3.14)(4)^2$
 $A = 50.24 \text{ ft.}^2$

2.



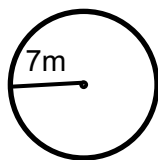
Radius: 5 in

Diameter: 10 in

Cir: $C = \pi D$
 $C = (3.14)(10)$
 $C = 31.40 \text{ in}$

Area: $A = \pi r^2$
 $A = (3.14)(5)^2$
 $A = 78.50 \text{ in}^2$

3.



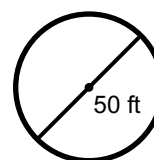
Radius: 7 m

Diameter: 14 m

Cir: $C = \pi D$
 $C = (3.14)(14)$
 $C = 43.96 \text{ m}$

Area: $A = \pi r^2$
 $A = (3.14)(7)^2$
 $A = 153.9 \text{ m}^2$

4.



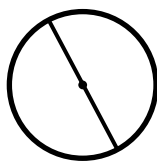
Radius: 25 ft.

Diameter: 50 ft.

Cir: $C = \pi D$
 $C = (3.14)(50)$
 $C = 157 \text{ ft.}$

Area: $A = \pi r^2$
 $A = (3.14)(25)^2$
 $A = 1963 \text{ ft.}^2$

5.



THE DIAMETER IS 100 CM.

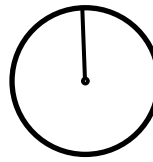
Radius: 50 cm

Diameter: 100 cm

Cir: $C = \pi D$
 $C = (3.14)(100)$
 $C = 314 \text{ cm}$

Area: $A = \pi r^2$
 $A = (3.14)(50)^2$
 $A = 7850 \text{ cm}^2$

6.



THE RADIUS IS 75 M.

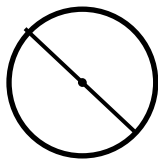
Radius: 75 m

Diameter: 150 m

Cir: $C = \pi D$
 $C = (3.14)(150)$
 $C = 471 \text{ m}$

Area: $A = \pi r^2$
 $A = (3.14)(75)^2$
 $A = 17,663 \text{ m}^2$

7.



THE DIAMETER IS 2 YARDS.

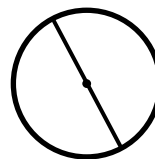
Radius: 1 yard

Diameter: 2 yards

Cir: $C = \pi D$
 $C = (3.14)(2)$
 $C = 6.28 \text{ yards}$

Area: $A = \pi r^2$
 $A = (3.14)(1)^2$
 $A = 3.14 \text{ yards}^2$

8.



THE DIAMETER IS 1 MILE.

Radius: 0.5 miles

Diameter: 1 mile

Cir: $C = \pi D$
 $C = (3.14)(1)$
 $C = 3.14 \text{ mile}$

Area: $A = \pi r^2$
 $A = (3.14)(0.5)^2$
 $A = 0.785 \text{ miles}^2$