Guided Practice
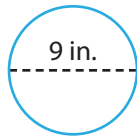
Find the circumference of each circle. (Examples 1 and 2)

1. $C = \pi d$

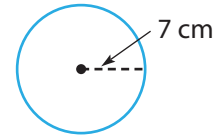$C \approx$ _____

$C \approx$ _____ inches

9 in.

2. $C = 2\pi r$
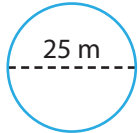
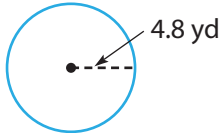$C \approx 2\left(\frac{22}{7}\right)$ (_____)

$C \approx$ _____ cm

7 cm

Find the circumference of each circle. Use 3.14 or $\frac{22}{7}$ for π. Round to the nearest hundredth, if necessary. (Examples 1 and 2)

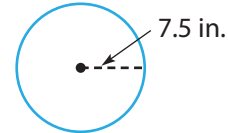**3.**

25 m

_____

4.

4.8 yd

_____

5.

7.5 in.

_____

6. A round swimming pool has a circumference of 66 feet. Carlos wants to buy a rope to put across the diameter of the pool. The rope costs $0.45 per foot, and Carlos needs 4 feet more than the diameter of the pool. How much will Carlos pay for the rope? (Example 3)

Find the diameter.

$C = \pi d$

_____ $\approx 3.14d$

$\dfrac{\boxed{}}{3.14} \approx \dfrac{3.14d}{3.14}$

_____ $\approx d$

Find the cost.

Carlos needs _____ feet of rope.

_____ $\times \$0.45 =$ _____

Carlos will pay _____ for the rope.

Find each missing measurement to the nearest hundredth. Use 3.14 for π. (Examples 1 and 3)

7. $r =$ _____

$d =$ _____

$C = \pi$ yd

8. $r \approx$ _____

$d \approx$ _____

$C = 78.8$ ft

9. $r \approx$ _____

$d \approx 3.4$ in.

$C =$ _____

? ESSENTIAL QUESTION CHECK-IN

10. Norah knows that the diameter of a circle is 13 meters. How would you tell her to find the circumference?

_____

_____