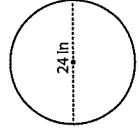


Circle - Circumference

Diameter Moderate: 51

Example:

Circumference of a circle = $2\pi r$ or πd
 Diameter (d) = 24 in
 Circumference = πd
 = 3.14×24
 Circumference = 75.4 in



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

- 1) Circumference =
- 2) Circumference =
- 3) Circumference =
- 4) Circumference =
- 5) Circumference =
- 6) Circumference =
- 7) Circumference =
- 8) Circumference =
- 9) Circumference =

Radius and Diameter

What is the radius and diameter of each circle?

- a. radius = _____ diameter = _____
- b. radius = _____ diameter = _____
- c. radius = _____ diameter = _____
- d. radius = _____ diameter = _____
- e. radius = _____ diameter = _____
- f. radius = _____ diameter = _____
- g. radius = _____ diameter = _____
- h. radius = _____ diameter = _____
- i. radius = _____ diameter = _____
- j. radius = _____ diameter = _____
- k. radius = _____ diameter = _____
- l. 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: _____

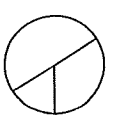
$$V = 2 \times r \quad (2\pi r)$$

$$C = \text{Circumference} \quad \pi r = \underline{\hspace{2cm}}$$
$$D = \text{Diameter} \quad = \underline{\hspace{2cm}}$$
$$r = \text{radius} \quad = \underline{\hspace{2cm}}$$

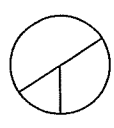
Circumference and Area

Circles (H)

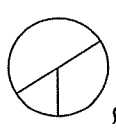
Find the circumference and area of each circle to one decimal place.



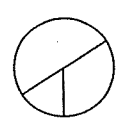
$$r = 2.8 \text{ yd} \quad D = \underline{\hspace{2cm}}$$
$$C = 17.6 \text{ yd}$$



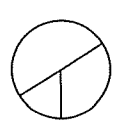
$$r = 7.3 \text{ cm} \quad D = \underline{\hspace{2cm}}$$
$$C = 45.9 \text{ cm}$$



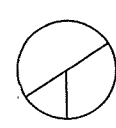
$$r = 7.2 \text{ cm} \quad D = \underline{\hspace{2cm}}$$
$$C = 45.2 \text{ cm}$$



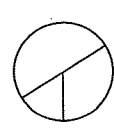
$$r = 1.2 \text{ mi} \quad D = \underline{\hspace{2cm}}$$
$$C = 7.5 \text{ mi}$$



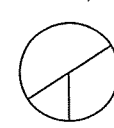
$$r = 9.3 \text{ mi} \quad D = \underline{\hspace{2cm}}$$
$$C = 58.4 \text{ mi}$$



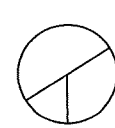
$$r = 4.5 \text{ mm} \quad D = \underline{\hspace{2cm}}$$
$$C = 28.3 \text{ mm}$$



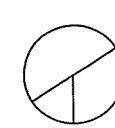
$$d = 6.6 \text{ m} \quad D = \underline{\hspace{2cm}}$$
$$C = 20.7 \text{ m}$$



$$r = 7.2 \text{ yd} \quad D = \underline{\hspace{2cm}}$$
$$C = 45.2 \text{ yd}$$



$$r = 3 \text{ cm} \quad D = \underline{\hspace{2cm}}$$
$$C = 18.8 \text{ cm}$$



$$r = 7.1 \text{ in} \quad D = \underline{\hspace{2cm}}$$
$$C = 44.6 \text{ in}$$



$$d = 4.6 \text{ yd} \quad D = \underline{\hspace{2cm}}$$
$$C = 14.5 \text{ yd}$$



$$r = 2.5 \text{ cm} \quad D = \underline{\hspace{2cm}}$$
$$C = 15.7 \text{ cm}$$

$$C \div D = \underline{\hspace{2cm}}$$

$$C \div D = \underline{\hspace{2cm}}$$

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