

Unit 3: Measuring Circles

PRACTICE

Name: _____ Date: _____

Use $\pi \approx 3.14$ unless a problem says to leave your answer in terms of π . Show your work and write your final answer on the line.

1. A circle has a radius of 8 cm. What is its diameter, in cm?

Answer: _____

2. A circle has a diameter of 24 m. What is its radius, in m?

Answer: _____

3. Find the circumference of a circle with radius 5 cm. Use $\pi = 3.14$. Answer in cm.

Answer: _____

4. Find the circumference of a circle with diameter 10 in. Use $\pi = 3.14$. Answer in inches.

Answer: _____

5. Find the area of a circle with radius 6 cm. Use $\pi = 3.14$. Answer in cm^2 .

Answer: _____

6. Find the area of a circle with radius 10 m. Use $\pi = 3.14$. Answer in m^2 .

Answer: _____

7. A circle has a diameter of 14 cm. Find its area. Use $\pi = 3.14$. Answer in cm^2 .

Answer: _____

8. The circumference of a circle is 12π cm. What is its radius, in cm?

Answer: _____

9. Give the circumference of a circle with radius 7 m in terms of π (in m).

Answer: _____

10. Give the area of a circle with radius 9 cm in terms of π (in cm^2).

Answer: _____

11. A circular garden has a radius of 4 m. Find its circumference. Use $\pi = 3.14$. Answer in m.

Answer: _____

12. A circle has an area of $49\pi \text{ cm}^2$. What is its radius, in cm?

Answer: _____