

Name: _____

Date: _____

Circles (Area & Circumference)

Grades 6 – 8 • 20 questions • Show your work

1. A circle has a diameter of 16 cm. Find its **circumference** in terms of π .

2. A circle has a radius of 3 cm. Find its **circumference** in terms of π . _____
3. A circle has a radius of 2 cm. Find its **area** in terms of π . _____
4. A circle has a radius of 11 cm. Find its **circumference** in terms of π . _____
5. A circle has a radius of 2 cm. Find its **circumference** in terms of π . _____
6. A circle has a diameter of 4 cm. Find its **area** in terms of π . _____
7. A circle has a radius of 9 cm. Find its **circumference** in terms of π . _____
8. A circle has a radius of 5 cm. Find its **area** in terms of π . _____
9. A circle has a radius of 10 cm. Find its **area** in terms of π . _____
10. A circle has a radius of 6 cm. Find its **circumference** in terms of π . _____
11. A circle has a radius of 10 cm. Find its **circumference** in terms of π . _____
12. A circle has a radius of 8 cm. Find its **area** in terms of π . _____
13. A circle has a diameter of 24 cm. Find its **area** in terms of π . _____

- 14.** A circle has a radius of 12 cm. Find its **circumference** in terms of π . _____
- 15.** A circle has a diameter of 20 cm. Find its **circumference** in terms of π .

- 16.** A circle has a radius of 9 cm. Find its **area** in terms of π . _____
- 17.** A circle has a radius of 5 cm. Find its **circumference** in terms of π . _____
- 18.** A circle has a diameter of 16 cm. Find its **area** in terms of π . _____
- 19.** A circle has a radius of 8 cm. Find its **circumference** in terms of π . _____
- 20.** A circle has a radius of 4 cm. Find its **circumference** in terms of π . _____
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Answer Key – Circles (Area & Circumference)

1. $16\pi \text{ cm}$

2. $6\pi \text{ cm}$

3. $4\pi \text{ cm}^2$

4. $22\pi \text{ cm}$

5. $4\pi \text{ cm}$

6. $4\pi \text{ cm}^2$

7. $18\pi \text{ cm}$

8. $25\pi \text{ cm}^2$

9. $100\pi \text{ cm}^2$

10. $12\pi \text{ cm}$

11. $20\pi \text{ cm}$

12. $64\pi \text{ cm}^2$

13. $144\pi \text{ cm}^2$

14. $24\pi \text{ cm}$

15. $20\pi \text{ cm}$

16. $81\pi \text{ cm}^2$

17. $10\pi \text{ cm}$

18. $64\pi \text{ cm}^2$

19. $16\pi \text{ cm}$

20. $8\pi \text{ cm}$
