



GRADE 5, 6 & 7 WORKSHEET

Topic: AREA OF A CIRCLE

Formula Reminder

Area of a circle = πr^2

Where:

- **r = radius of the circle**
- **$\pi = 3.1416$ or $\frac{22}{7}$**

Tip: If the diameter (d) is given, first find the radius:

$$r = \frac{\text{diameter}}{2}$$

A. Multiple Choice Questions (MCQs)

1. Find the area of a circle with radius 7 cm.
A. 154 cm² B. 144 cm² C. 150 cm² D. 160 cm² E. 146 cm²
2. The diameter of a circle is 14 m. Find its area.
A. 154 m² B. 154 cm² C. 1540 m² D. 140 m² E. 144 m²
3. A circular table has a radius of 3 m. Its area is:
A. 28.26 m² B. 27 m² C. 30 m² D. 26 m² E. 29 m²
4. The diameter of a circular park is 21 m. Find the area.
A. 346.5 m² B. 330 m² C. 320 m² D. 350 m² E. 360 m²
5. A circle has radius 10 cm. Its area is:
A. 314 cm² B. 320 cm² C. 300 cm² D. 310 cm² E. 324 cm²

B. Short Answer Questions

6. Find the area of a circle with radius 5 cm.
 7. The diameter of a circle is 16 cm. Find its area.
 8. Calculate the area of a circle with radius 9 m.
 9. A circular garden has diameter 18 m. Find the area.
 10. Find the area of a circle whose radius is 12 cm.
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C. Word Problems

11. A circular pond has a radius of 7 m. Find the area of the pond.
 12. A circular flower bed has a diameter of 14 m. Find its area.
 13. A round swimming pool has a radius of 6 m. Find the area of the pool.
 14. A circular track has a diameter of 21 m. Find the area enclosed by the track.
 15. A circular pizza has a radius of 8 cm. Find its area.
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D. Challenge Questions

16. A circular field has a diameter of 50 m. Find the area.
17. A circular rug has a radius of 4.5 m. Find the area.
18. A water tank is in the shape of a circle with radius 3.5 m. Find the surface area of the top.
19. The diameter of a circular plate is 30 cm. Find the area.

20. A circular fountain has a radius of 12 m. Find the area covered by the fountain.
