📓 GRADE 5, 6 & 7 WORKSHEET

Topic: CIRCUMFERENCE OF A CIRCLE

Name:_____

Formula Reminder

Circumference = 2 π x r   or Circumference = π x d

Where:

- **r = radius of the circle**
- **d = diameter of the circle ((d = 2 x r))**
- **π = 3.1416 or $\frac{22}{7}$**

A. Multiple Choice Questions (MCQs)

1. Find the circumference of a circle with radius 7 cm.

   A. 44 cm   B. 43.98 cm   C. 42 cm   D. 46 cm   E. 40 cm

2. The diameter of a circle is 14 m, find its circumference.

   A. 44 m   B. 42 m   C. 44.0 m   D. 43.98 m   E. 46 m

3. A circular table has a radius of 3 m. Its circumference is:

   A. 18.84 m   B. 19 m   C. 20 m   D. 18 m   E. 17.5 m

4. The diameter of a circular park is 21 m, find the circumference.

   A. 66 m   B. 65.94 m   C. 67 m   D. 68 m   E. 64 m

5. A circle has a radius of 10 cm. Its circumference is:

   A. 62.8 cm   B. 63 cm   C. 61 cm   D. 60 cm   E. 64 cm

B. Short Answer Questions

6. Find the circumference of a circle with radius 28 cm.

7. The diameter of a circle is 77 cm. Find its circumference.

8. Calculate the circumference of a circle with radius 9 m.

9. A circular garden has diameter 18 m. Find the circumference.

10. Find the circumference of a circle whose radius is 12 cm.

C. Word Problems

11. A circular pond has a radius of 7 m., find the length of the fence needed to surround the pond.

12. A circular flower bed has a diameter of 14 m, find the length of the boundary.

13. A round swimming pool has a radius of 42 m., find the circumference of the pool.

14. A circular track has a diameter of 21 m, find the length of the track around it.

15. A circular pizza has a radius of 8 cm, find the perimeter of the pizza.

D. Challenge Questions

16. A circular field has a diameter of 50 m, find the length of fencing needed.

17. A circular rug has a radius of 4.5 m, find its circumference.

18. A water tank has a circular top with radius 3.5 m. Find the circumference of the top.

19. The diameter of a circular plate is 30 cm. Find its perimeter.

20. A circular fountain has a radius of 12 m. Find the length around the fountain.