Circumference of Circles Worksheet

Questions

1. A garland woven with flowers needs to be stuck around a circular ring to decorate it. How long should the garland be so as to cover a ring of a radius of 28 cm?

2: The circumference of a wheel is 440 cm. Find its radius and diameter.

3. The perimeter of a rectangular wire is 264 m. The same wire is bent into the shape of a circle. Find the radius of the circle formed.

4. Tom runs three rounds at a circular stadium field every day before starting his cricket practice. The diameter of the field is 28 m. How much does he run around the field every day?

5. Say whether True/False for each given statement.

1. The radius of a circle is twice its diameter.
2. A circle is a closed figure with a curved boundary called the circumference.
3. The area of a circle refers to its boundary.
4. Circumference is the amount of space or region enclosed within a circle.

6. To celebrate Christmas, some children have decided to create a garland. Flowers need to be stuck around a circular ring to decorate it. How long should the garland be so as to cover a ring of radius 14 inch?

7. Sam runs four rounds at a circular stadium field every day before his cricket practice. The diameter of the field is 98 ft. How much does he run around the field every day?

8. Find the radius of Cake A whose circumference is 5 times that of the circumference of Cake B with a diameter of 12 inches.

9. Jenifer has a rectangular wire whose perimeter is 264 inches. She bends the same wire into the shape of a circle. Find the radius of the circle formed.

10. The spray from a spinning lawn sprinkler covers a circle. The distance around the circle is of 64π feet. What is the radius of the circle covered by the lawn sprinkler?

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1. 176 cm	6. 88 inches
2. 140 cm	7. 308 ft
3. 42 m	8. 30 inches
4. 264 m	9. 42 inches
5. 1. False 2. True 3. False 4. False	10. 32 feet