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Application_Grade-7_Perimeter and Area

Problems on Area and Circumference of a Circle-2

1. Find the area, circumference, and diameter of the circles whose radius is

(a) 10 cm

(b) 6.5 cm

(c) 8 cm (Take π = 22/7)

AREA	CIRCUMFERENCE	DIAMETER
a)	a)	a)
b)	b)	b)
c)	c)	c)

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2. Find the area, circumference of the circle whose diameter is

(a) 12 cm

(b) 18 cm

(c) 15 cm

AREA	CIRCUMFERENCE
a)	a)
b)	b)
c)	c)

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3. Calculate the circumference of the circle whose area is 212 cm^2.

4. If the circumference of a circular sheet is 47 cm, find its area.

5. A circular swimming pool is 25 feet in diameter. How many feet around is the pool?

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6. The diameter of a bangle is 26 cm. How many times the bangle will revolve in order to travel a distance of 500 cm.

7. From a circular sheet of a radius 7 cm, a circle of radius 3 cm is removed. Find the area of the remaining sheet.

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8. If the circumference of a circle is 86 cm, find its area, diameter, and radius.

AREA	DIAMETER	RADIUS

9. Find the perimeter of the semicircle whose diameter is 32 m.

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10. The ratio of the radii of two wheels is 10: 13. Find the ratio of their circumference and areas.

RATIO OF CIRCUMFERENCES	RATIO OF AREAS

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