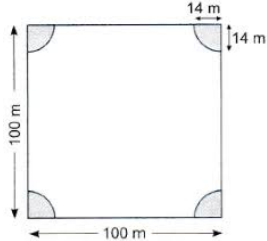# Chapter: Rectangle, Triangles and Circle
MM: 20
Time Allowed: 60 minutes.

1. What would be the circumference of a circle whose area is $9\pi \, cm^2$? [1]
    a. $6\pi \, cm$
    b. $36\pi \, cm$
    c. $9\pi \, cm$
    d. $36\pi^2 \, cm$

2. If the perimeter of a square is $16 \, cm$, what would be its area? [1]
    a. $14 \, cm^2$
    b. $8 \, cm^2$
    c. $16 \, cm^2$
    d. $12 \, cm^2$

3. Find the circumference of circle of radius $63 \, cm$. [1]

4. A water sprinkler in lawn sprays water as far as 14 m in all directions. Find the length of the outer edge of wet grass. [1]

5. A bicycle wheel makes 5000 revolutions in moving $11 \, km$. Find the diameter of the wheel. [2]

6. Find the area of a right-angled triangle with base $BC = 7 \, cm$ and hypotenuse $AC = 25 \, cm$. [2]

7. The radius of circle is $14 \, cm$. Find the radius of a circle whose area is double the area of the circle. [2]

8. A square park has each side of $100 \, m$. At each corner of the park, there is a flower bed in the form of a quadrant (one-fourth of a circle) of radius 14 m as shown in the figure. Find the area of the remaining part of the park. [3]

9. Triangle ABC is an isosceles with $AB = AC = 7.5 \, cm$ and $BC = 9 \, cm$. The height from A to BC i.e., AD is $6 \, cm$. Find the area of triangle ABC. What will be the height from C to AB? [3]

10. There is a rectangular field of size $94 \, m \times 32m$. Three roads each of 2 m width pass through the field such that the two roads are parallel to the breadth of the field and the third is parallel to the length. Calculate (i) area of the field covered by the three roads, (ii) area of the field not covered by the roads. [4]