

MATHEMATICS

1. The difference between the circumference and the diameter of a circular bangle is 5 cm. Find the radius of the bangle.

2. The diameter of the slice of watermelon is 14 cm. What will be the perimeter of the slice of watermelon.

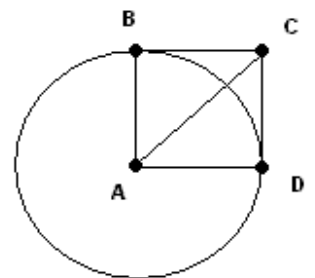
3. To cover a distance of 10 kms a wheel rotates 5000 times. Find the radius of the wheel.

4. A girl wants to make a square shaped figure from a circular wire of radius 49 cm. Determine the sides of a square.

5. Mrs Parkinson's garden is made up of 4 squares and 2 semicircles as shown below. Each small square has an area of 4 square meters. Find the total area of the garden.

6. The radius of circular disk is increased by 20%. What is the percent increase in the area of the disk?

7. ABCD is a square with one vertex at the center of the circle and two vertices on the circle. What is the length of AC if the area of the circle is 100 square cm?



8. The three circles C1, C2 and C3 have their centers O1, O2 and O3 on the line L and are all tangent at the same point. If the diameter of the largest circle is 20 units, what is the ratio of the area of the largest circle to the area of the smallest circle?

