

MCQ practice set

1. If radius of a circle becomes double then its area will become

- (a) Half (b) double (c) three times (d) four times

2. The diameter of a circle is 7cm. Find its area

- (a) 154 cm^2 (b) 38.5 cm^2 (c) 22 cm^2 (d) 11 cm^2

3. A rectangular wire of length 40cm and breadth 20 cm is bent in the shape of a square. The side of the square is

- (a) 40 cm (b) 30 cm (c) 20 cm (d) 10 cm

4. 1 hectare = ?

- (a) 10 m^2 (b) 100 m^2 (c) 1000 m^2 (d) 10000 m^2

5. 10 cm^2 = ?

- (a) 100 mm^2 (b) 1000 mm^2 (c) 10000 mm^2
(d) 100000 mm^2

6. If x and y are the radius and diameter of a circle respectively, then

- (a) $x = 2y$ (b) $x = y$ (c) $2x = y$ (d) $x = y^2$

7. Area of a triangle =

- (a) Base $\times$ Height
- (b) Height + Base
- (c) $\frac{1}{2} \times (\text{Height} + \text{Base})$
- (d) $\frac{1}{2} \times \text{Height} \times \text{Base}$

8. The area of a square whose perimeter is 4 m

- (a) 16 m²
- (b) 8 m²
- (c) 2 m²
- (d) 1 m²

9. What is the area of the circle of radius 5 m

- (a) $\frac{550}{7}$ cm²
- (b) $\frac{359}{7}$ cm²
- (c) $\frac{55000}{7}$ m²
- (d) $\frac{550}{7}$ m²

10. Find the area and perimeter of a rectangle whose breadth is 4 cm and height is 3 cm.

- (a) 16 cm², 11 cm
- (b) 12 cm², 14 cm
- (c) 9 cm², 18 cm
- (d) 16 cm², 16 cm