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1. What is the diagonal of a square plate whose side is 28 cm?

- A) 39.29 cm
 B) 39.39 cm
 C) 39.49 cm (Incorrect)
 D) **39.59 cm**

2. What is the side of a square whose area is 625 mm²?

- A) 15 mm (Incorrect)
 B) 20 mm
 C) **25 mm**
 D) 30 mm

3. What is the perimeter of a rectangle whose length and breadth are 20 cm and 18 cm?

- A) 56 cm
 B) 66 cm (Incorrect)
 C) **76 cm**
 D) 86 mm

4. What is the area of a rectangle, whose length and breadth are 10cm and 8cm respectively?

- A) 75 cm² (Incorrect)
 B) **80 cm²**
 C) 85 cm²
 D) 90 cm²

5. What is the area of a right angled triangle having a base 10 cm and height 5 cm?

- A) 20 sq.cm (Incorrect)
 B) **25 sq.cm**
 C) 30 sq.cm
 D) 35 sq.cm

6. What is the cross sectional area of a circular ring of D = 38

mm d = 32mm?

- A) 320 mm²
 B) **330 mm²**
 C) 340 mm² (Incorrect)
 D) 350 mm²

7. What is the area of a sector of a circle of radius 5 cm and its angle is 96 Degree?

- A) 20.39 cm²
 B) **20.93 cm² (Correct)**
 C) 20.89 cm²
 D) 20.98 cm²

8. What is the area of an ellipse if the major and minor axes are 5 cm and 3 cm respectively?

- A) 27 cm²
 B) 37 cm²
 C) **47 cm²**
 D) 57 cm² (Incorrect)

9. Find the total surface area of cube whose side is 25 cm.

- A) 3740 cm²
 B) 3745 cm² (Incorrect)
 C) **3750 cm²**
 D) 3755 cm²

10. Find the total surface area of a cast iron bar whose length, width and height are 20m, 15m and 12m.

- A) 1340 m²
 B) **1440 m²**
 C) 1540 m² (Incorrect)
 D) 1640 m²