

Mensuration 2 D

A circular pizza having a radius of 21 cm. If 80% of it is eaten, what is the area of pizza remaining ? SSC CGL 12/09/2025 (Shift 1)

(a) 240.42 cm²

(b) 356.2 cm²

(c) 277.2 cm²

(d) 266.2 cm²



A ring-shaped disc has outer radius 10 cm and inner radius 8 cm. What is the ratio of the ring's area to the whole outer circle ? SSC CGL 12/09/2025

(Shift 1)

(a) 9 : 25

(b) 6 : 25

(c) 9 : 20

(d) 3 : 15



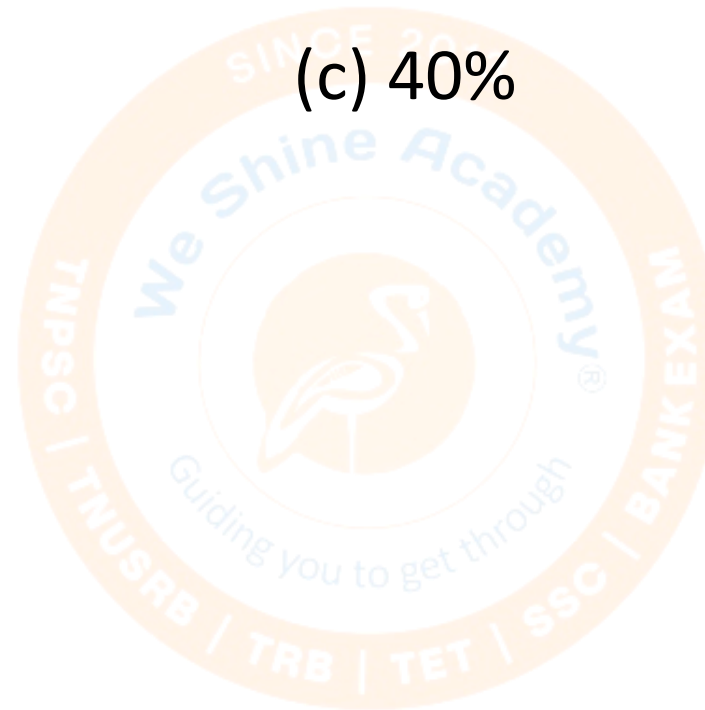
A truck wheel having a radius of 42 cm. What percentage of its circumference is covered in a quarter turn ? (Use $\pi = 22/7$) SSC CGL 12/09/2025 (Shift 1)

(a) 35%

(b) 25%

(c) 40%

(d) 45%



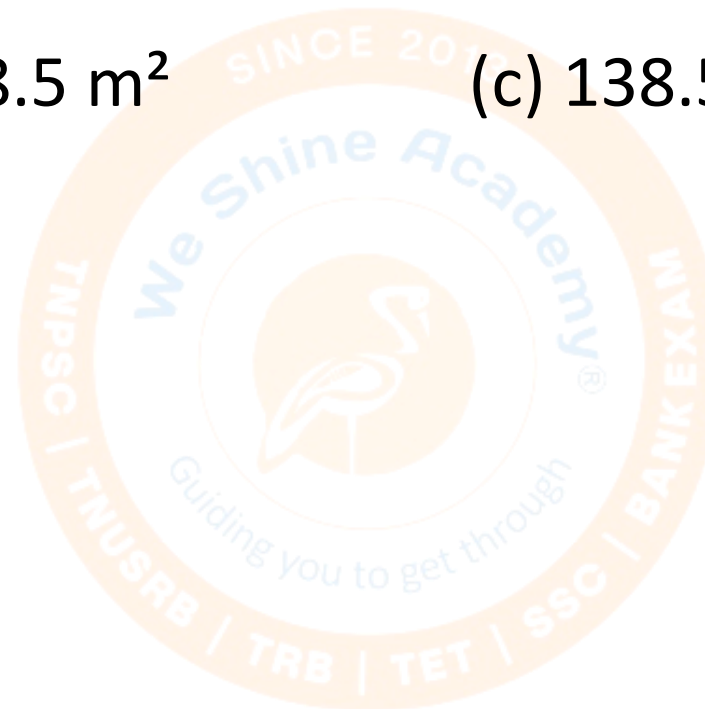
A circular park having a radius of 15 m. If a 1.5 m wide path is built around it, what is the approximate area of the path? SSC CGL 12/09/2025 (Shift 2)

(a) 148.5 m^2

(b) 158.5 m^2

(c) 138.5 m^2

(d) 118.5 m^2



A square field of side 24 m has a circular pond in the center. If the area of the pond is 484 m^2 , what is the area of the remaining field? SSC CGL

14/09/2025 (Shift 2)

(a) 48 m^2

(b) 92 m^2

(c) 78 m^2

(d) 82 m^2



The cost of building a wall around a circular field at the rate of ₹120 per metre is ₹3,768. Find the diameter of the field. SSC CGL 15/09/2025 (Shift 3)

(a) 5 m

(b) 10 m

(c) 15 m

(d) 20 m



In an equilateral triangle with side length 'b', what is the ratio of the inradius to the circumradius ? SSC CGL 17/09/2025 (Shift 2)

(a) 2 : 1

(b) 3 : 1

(c) 4 : 1

(d) 1 : 2



A circle of radius of 14 cm. Two radii are drawn such that the length of the chord connecting their endpoints is 14 cm. What is the area of the minor segment formed ? SSC CGL 20/09/2025 (Shift 1)

(a) $\left(\frac{98\pi}{3} - 49\sqrt{3} \right)$ sq . cm

(b) $\left(\frac{98\pi}{3} - 59\sqrt{3} \right)$ sq . cm

(c) $\left(\frac{78\pi}{3} - 49\sqrt{3} \right)$ sq . cm

(d) $\left(\frac{68\pi}{3} - 49\sqrt{3} \right)$ sq . cm

A triangular window has dimensions such that its area is 35% of a square window of area 300 m^2 . If its base is 20 m, find its height. SSC CGL 20/09/2025 (Shift 3)

(a) 12.5 m

(b) 18.6 m

(c) 10.5 m

(d) 24.5 m





Thank You