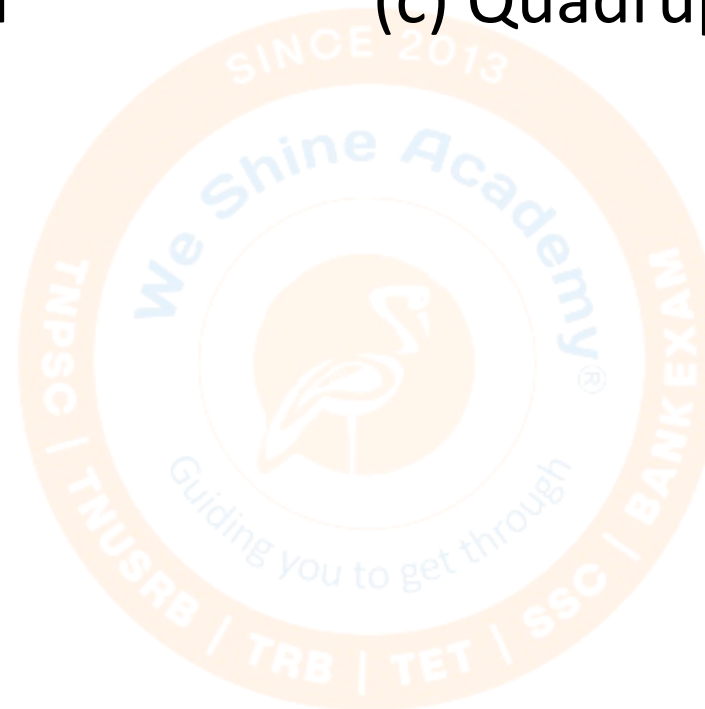


Mensuration 2 D

If the side of a regular hexagon is tripled, what happens to its area ? SSC CGL

18/09/2025 (Shift 3)

- (a) Doubled (b) Tripled (c) Quadrupled (d) Increases 9 times



In an urban project, triangular plots with side ratios 8 : 15 : 17 are allocated. If the perimeter is 120 m, find the area. SSC CGL 20/09/2025 (Shift 1)

(a) 380 m²

(b) 320 m²

(c) 400 m²

(d) 540 m²



In triangle ABC, medians AD, BE, and CF intersect at the Centroid G. If the area of triangle ABC is 96 cm^2 , what is the area of triangle GBC ? SSC CGL 18/09/2025

(Shift 3)

(a) 16 cm^2

(b) 24 cm^2

(c) 48 cm^2

(d) 32 cm^2



A rectangular sheet has an area equal to a square plot. If the sheet measures 36 m in length and 25 m in breadth, and the square plot has an area equal to the sheet, find the perimeter of the square plot. SSC CGL 22/09/2025 (Shift 1)

(a) 110 m

(b) 120 m

(c) 140 m

(d) 220 m



A rectangular plot has a length of 15.75 m and a width of 8.2 m. What is its area ?

SSC CGL 22/09/2025 (Shift 3)

(a) 129.15 m²

(b) 128.9 m²

(c) 180.2 m²

(d) 181.5 m²



A square tile of area 289 cm^2 is cut into two equal rectangular tiles. What will be the perimeter of each new tile ? SSC CGL 24/09/2025 (Shift 3)

(a) 48 cm

(b) 52 cm

(c) 51 cm

(d) 50 cm



What is the length of a diagonal of a rectangle with length 30 cm and width 16 cm ? SSC CGL 24/09/2025 (Shift 3)

(a) 32 cm

(b) 38 cm

(c) 36 cm

(d) 34 cm



An equilateral triangle and a square have equal perimeters. What is the ratio of their sides? SSC CGL 25/09/2025 (Shift 1)

(a) 3 : 4

(b) 1 : 2

(c) 4 : 3

(d) 2 : 1



A rectangle has a length that is four times its width. If the perimeter is 200 cm, what is the area of the rectangle? SSC CGL 26/09/2025 (Shift 2)

(a) 1400 cm^2

(b) 1500 cm^2

(c) 1540 cm^2

(d) 1600 cm^2



A large, semi-transparent watermark logo for Weshine Academy is centered in the background. It features a circular design with a star in the center. The text 'Weshine Academy' is written in a curved path around the star. Above the star, it says 'SINCE 2013'. Below the star, it says 'Guiding you to get through'. At the bottom of the circle, it lists various exams: 'TNUSRB | TRB | TET | SSC | BANK EXAM'.

Thank You