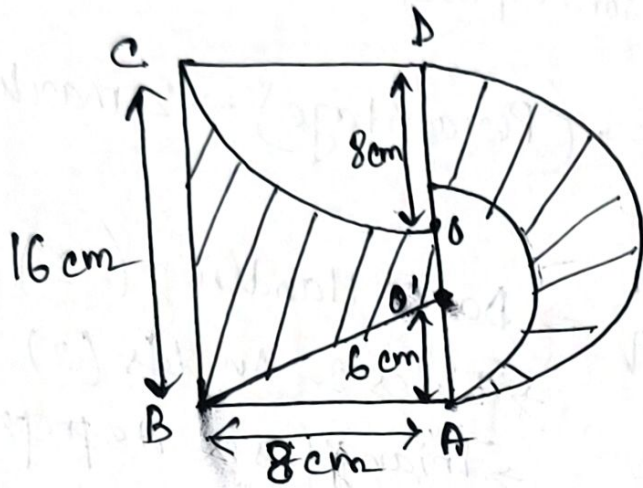


— : Extra Problem on Area & Perimeter : —



In the above figure, there are two semi-circles with centres 'O' and 'O''. The radii of the bigger and smaller semi-circles are 8 cm and 6 cm respectively.

Beside the semi-circles there is a rectangle ABCD of dimension 16 cm $\times$ 8 cm. Inside rectangle ABCD, there is a quadrant of circle of radius 8 cm and one right-angled triangle $\triangle ABO'$.

Find the area of the shaded region.

(Consider $\pi = 3.14$)