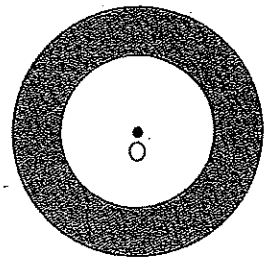
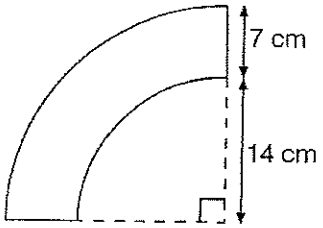
7. The figure shows two circles. The inner circle has a radius of 8 cm and its circumference is 5 cm away from the circumference of the outer circle. Find the shaded area. (Take $\pi = 3.14$)



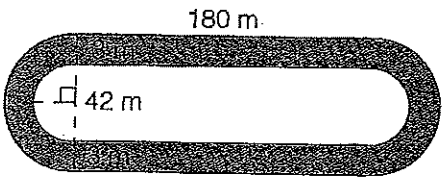
329.7 cm^2

8. In the figure shown, find the perimeter. $\left(\text{Take } \pi = \frac{22}{7}\right)$



69 cm

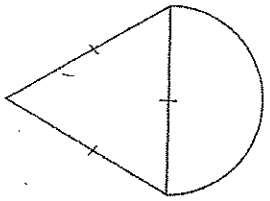
9. The figure shows two of the lanes at a running track that are 3 m apart. Mary and Jim ran around the track three times, with Mary taking the inner land and Jim taking the outer lane. How much further did Jim cover than Mary? (Take $\pi = 3.14$)



56.52 m

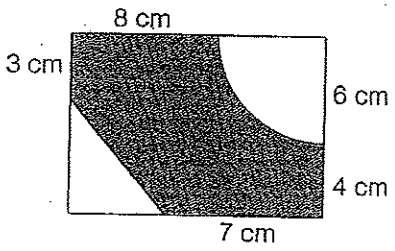
12.

10. The figure shown is made up of an equilateral triangle and a semi-circle. If the perimeter of the triangle is 27 cm, find the perimeter of the figure. (Take $\pi = 3.14$)



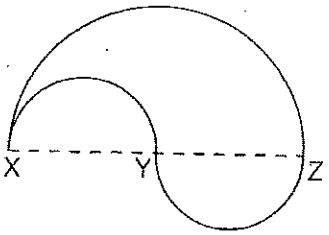
32.13 cm

11. In the figure shown, find the area of the rectangle left when the triangle and the quadrant are cut away. (Take $\pi = 3.14$)



87.24 cm^2

12. In the figure shown, XY = YZ = 28 cm. Find the area and perimeter of the figure. $\left(\text{Take } \pi = \frac{22}{7}\right)$



1232 cm^2

176 cm