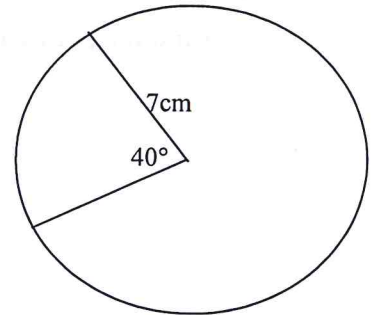


CIRCLES

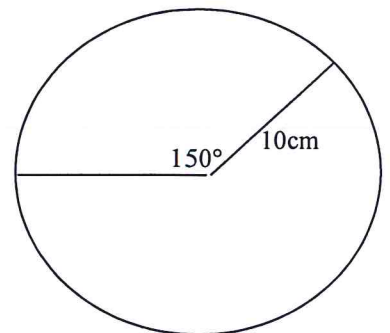
1. Find the area of the minor sector:

NOT TO SCALE



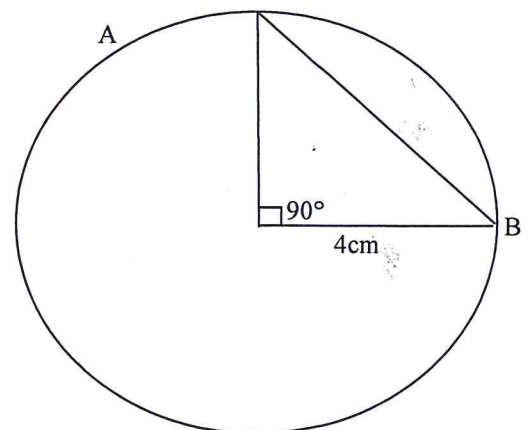
2. Find the perimeter of the minor sector:

NOT TO SCALE

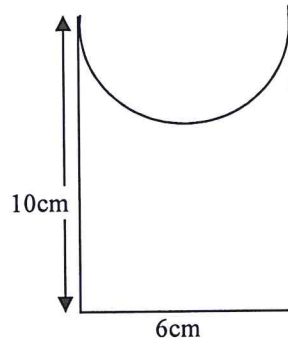


3. Find the area of the minor segment cut off by the chord AB:

NOT TO SCALE



4. Find the perimeter this shape:

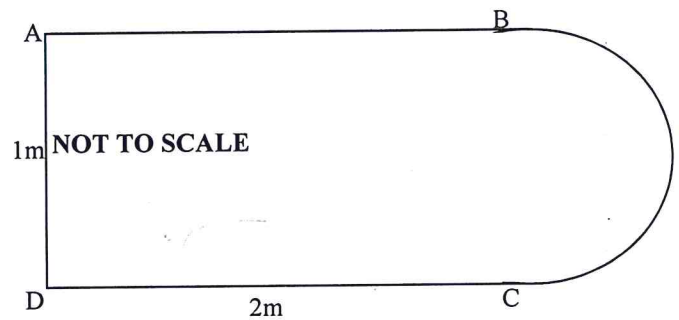


NOT TO SCALE

5. The diagram shows a rectangular breakfast bar with a semicircular flap at the end.

Find:

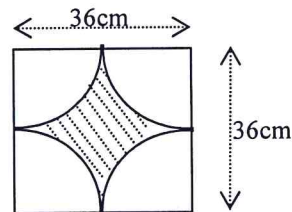
- (a) the radius of the semicircle
 (b) the area of the breakfast bar.



NOT TO SCALE

6. A roundabout, which is to be built at a major road junction, has to have a circumference of 192 m. What is the diameter?

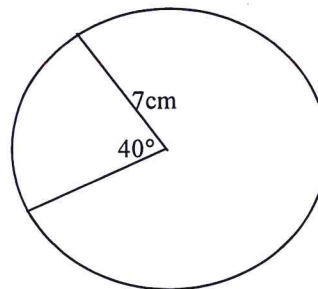
7. Find the shaded area:



NOT TO SCALE

8. Find:

- (a) the area of the minor sector,
 (b) the perimeter of the minor sector.



NOT TO SCALE