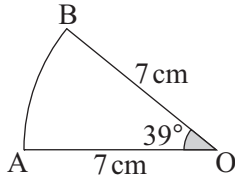


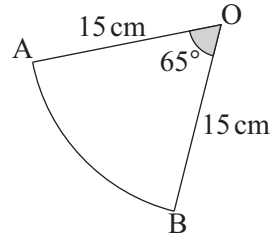
## TASK 3.5

In this task, O is always the centre of the circle. Give answers to 1 d.p.

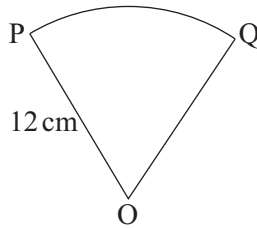
1. Find the length of arc AB.



2. Find the length of arc AB.

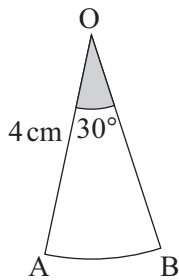


3. The arc PQ = 9 cm.  
Find angle POQ.

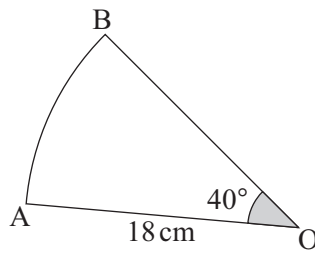


In Questions 4 to 6, find the perimeter of each shape, leaving answers in terms of  $\pi$ .

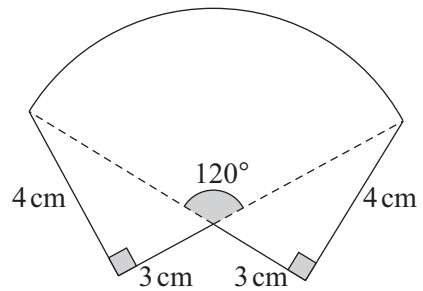
4.



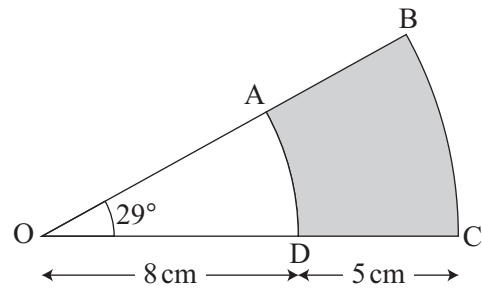
5.



6.



7. Use a calculator to find the perimeter of the shaded area.



8. Use a calculator to find the perimeter of the shaded area.

