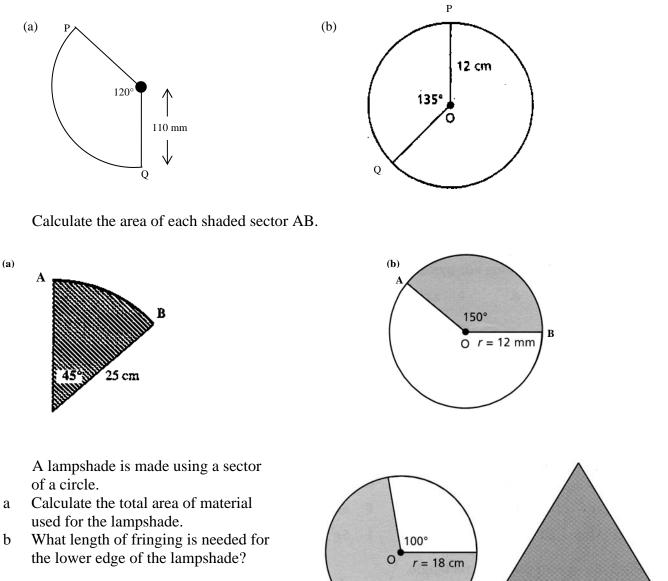
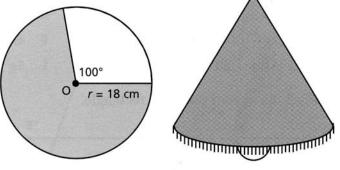
National 5 Homework : 1 year course **Arcs & Sectors of Circles**

1 Calculate the length of ,minor , arc PQ in each sector. Give your answer to 3 sig figs.



- 3.
 - а
 - b



4.

2



A pet shop manufactures protective dog collars.

In the diagram below the shaded area represents one of these collars.

AB and CD are arcs of the circle with centre O. The radius, OA, is 10 inches and the radius, OC is 18 inches. Angle AOB is 160°.

Calculate the area of the collar.

