22

A B

4 cm   4 cm

76°
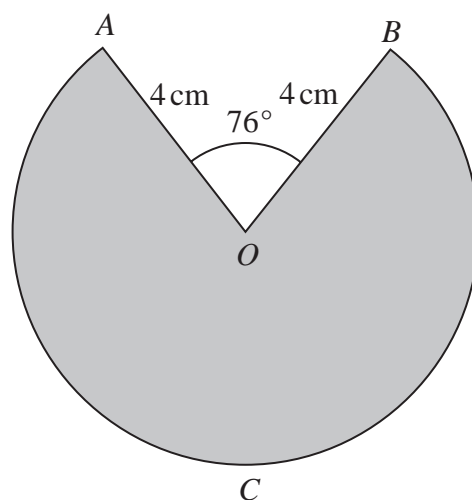
Diagram **NOT**
accurately drawn

O

C

The diagram shows a sector $OACB$ of a circle, centre O.

$OA = OB = 4\,\text{cm}$
Angle $AOB = 76°$

(a) Calculate the area, in cm^2 to 3 significant figures, of the shaded sector $OACB$.

....cm^2

(2)

(b) Calculate the perimeter, in cm to 3 significant figures, of the shaded sector $OACB$.

....cm

(3)

(Total for Question 22 is 5 marks)