

11

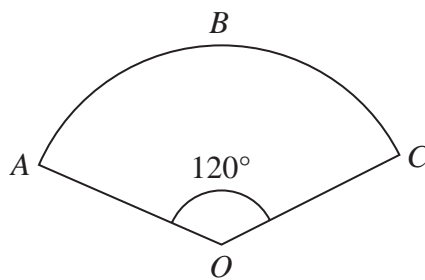


Diagram **NOT**  
accurately drawn

$ABC$  is an arc of a circle centre  $O$

Angle  $AOC$  is  $120^\circ$

Sector  $OABC$  has an area of  $48\pi\text{cm}^2$

Find, in terms of  $\pi$ , the length of the perimeter of  $OABC$

..... cm

(Total for Question 11 is 3 marks)

12 Solve  $\frac{x+2}{6} + \frac{x-3}{4} = 5$

Show clear algebraic working.

$x =$  .....

(Total for Question 12 is 3 marks)

