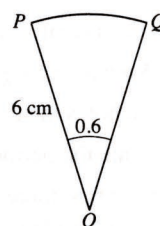


Miscellaneous exercise 18

- 1 The diagram shows a sector of a circle with centre O and radius 6 cm. Angle $POQ = 0.6$ radians. Calculate the length of arc PQ and the area of sector POQ .



- 2 A sector OAB of a circle, of radius a and centre O , has $\angle AOB = \theta$ radians. Given that the area of the sector OAB is twice the square of the length of the arc AB , find θ .

