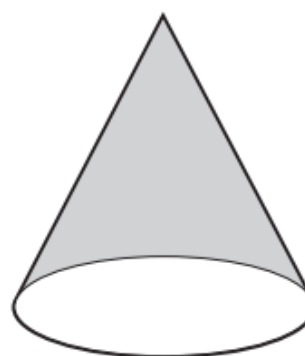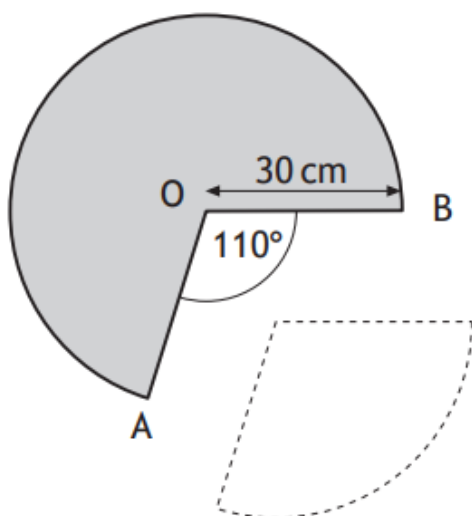A cone is formed from a paper circle with a sector removed as shown.

The radius of the paper circle is 30 centimetres.

Angle AOB is 110°.

(a) Calculate the area of the sector removed from the circle.   **3**

(b) Calculate the circumference of the base of the cone.   **3**

Answers:

(a)   864 cm^2

(b)   131 cm (approximately)