This perfume bottle has a label in the shape of part of a circle.
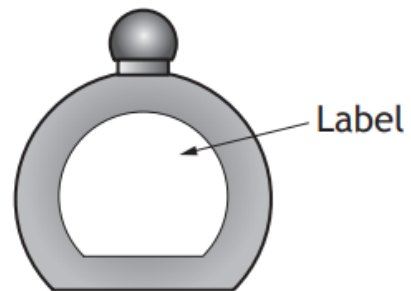
Label

A diagram of the label is shown below.

height of label

O

6·6 cm

A

9 cm

B
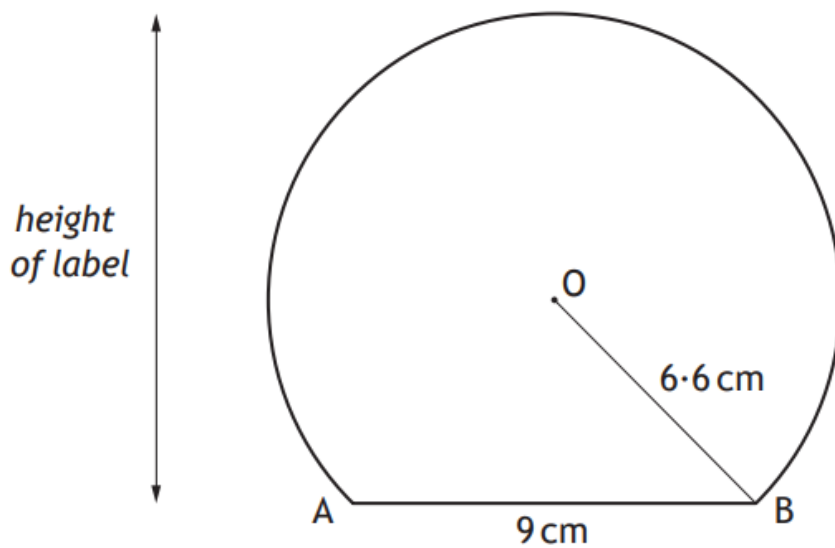
- The centre of the circle is O.
- The chord AB is 9 centimetres.
- The radius OB is 6·6 centimetres.

Find the height of the label.   **4**

Answer:

11.4 cm