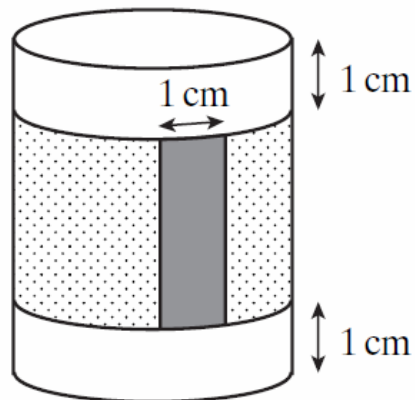**7** A tin of diameter 7 cm and height 12 cm has a label around it.
The label is glued together using a 1 cm overlap.
There is a 1 cm gap between the label and the top and the bottom of the tin.

1 cm

1 cm

1 cm

Not to scale

Find the length and the height of the label.