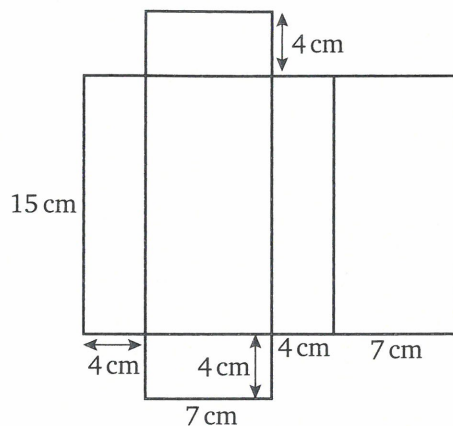


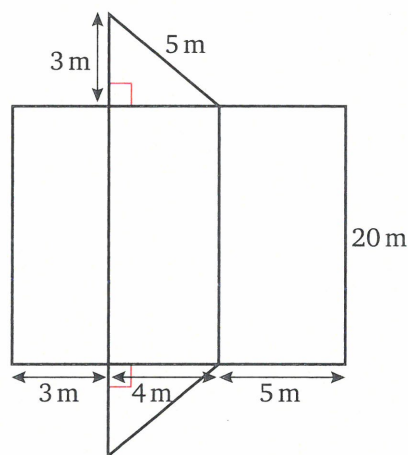
- 1 Here is a net of a cuboid.
Work out the surface area of the cuboid.



- 2 Here is a net of a triangular prism.
Work out the surface area.
Give your answer in:

a m^2

b cm^2



- 3 Calculate the total surface area of cubes with these side lengths.

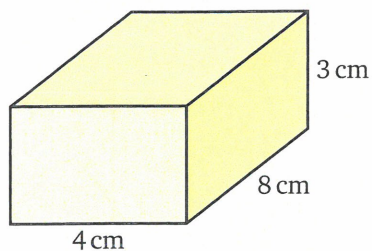
a 7 cm

b 10 cm

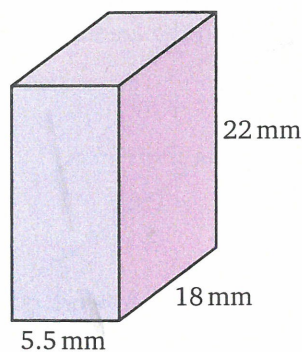
c 5.4 cm

- 4 a Calculate the total surface area of these cuboids.

i

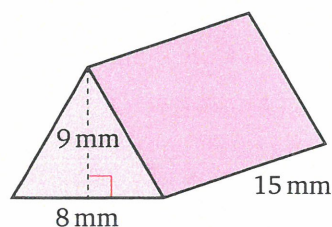


ii

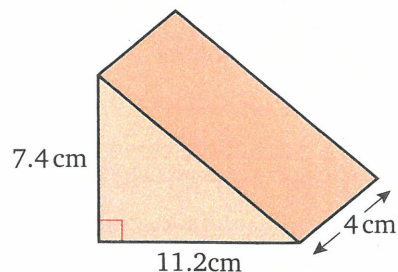


- b Calculate the total surface area of these triangular prisms.

i



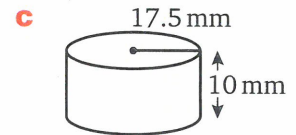
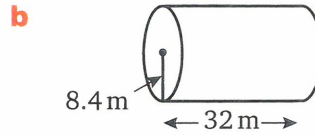
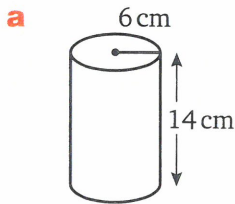
ii



For a Grade C make sure you know how to work out the surface area of a solid.

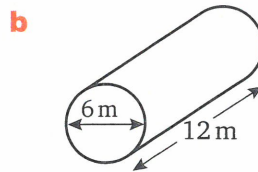
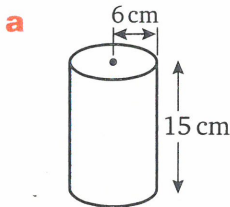
- 5 Which of these units are correct for the surface area of a solid?
 mm^2 cm^3 m^2 mm km^2 cm^2

- 6 Calculate the area of the curved surface of each of these cylinders.



- 7 Jack says that the formula for the surface area of a cuboid is $\text{length} \times \text{width} \times \text{height}$.
 Is he correct?
 Give a reason for your answer.

- 8 Here are two closed cylinders. (They have a top and a base.)
 Calculate the total surface area of each cylinder.



- 9 Andrew makes wooden jewellery boxes in the shape of cuboids of length 20 cm, width 15 cm and depth 10 cm. Each box has a lid.
 The wood costs £18.75 for 1 square metre and on average he wastes 10% of each square metre.
 He varnishes the outside of each box when he has made them.
 A tin of varnish will cover an area of 1.5 m^2 and costs £7.99.
 What is the cost of making each jewellery box?

Hint

Draw a diagram to help you.