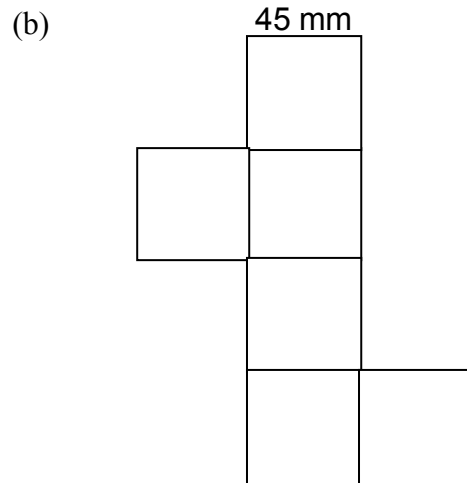
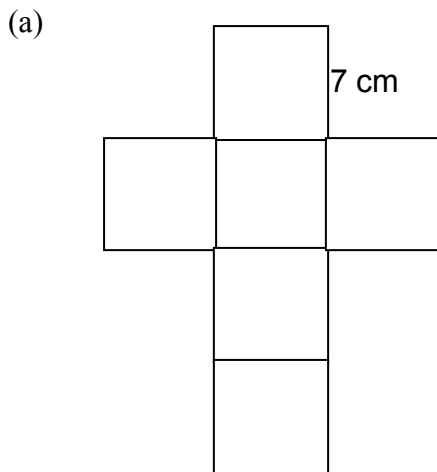
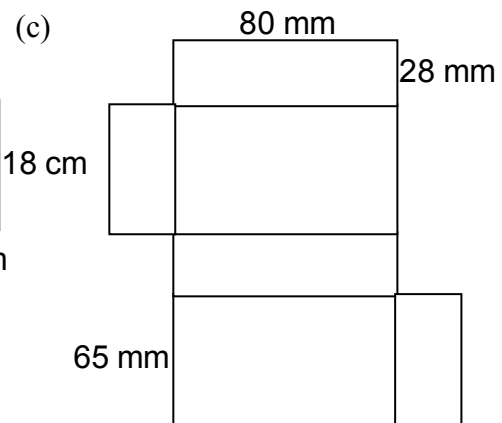
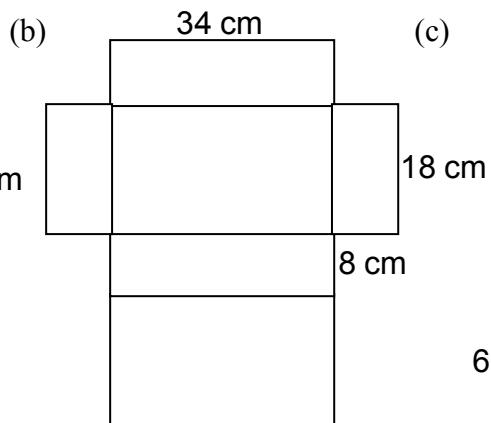
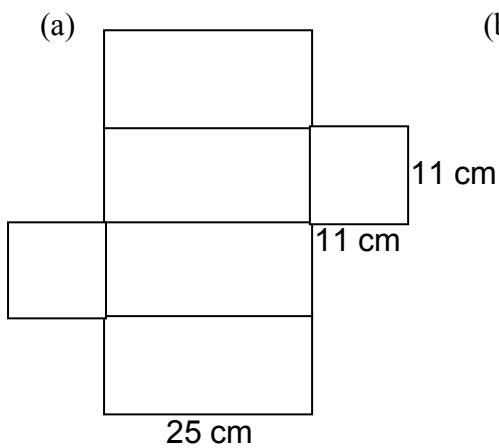


Surface Area

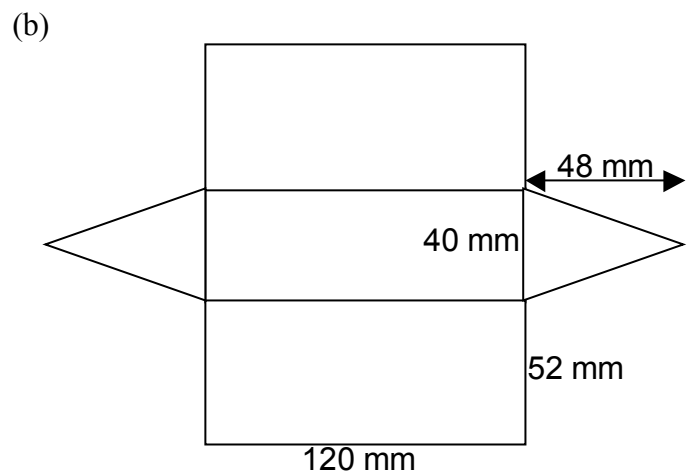
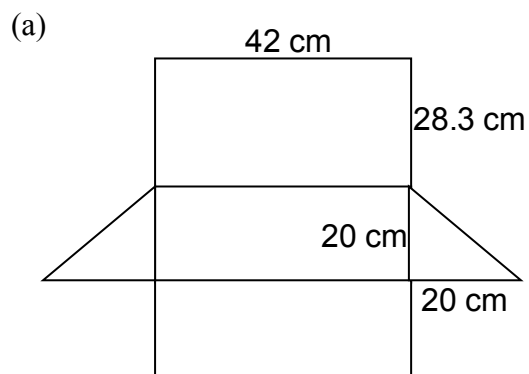
1. Below are shown the nets of 2 cubes. Calculate the surface area of each cube.



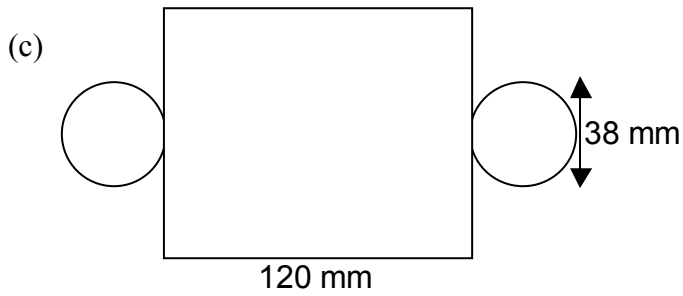
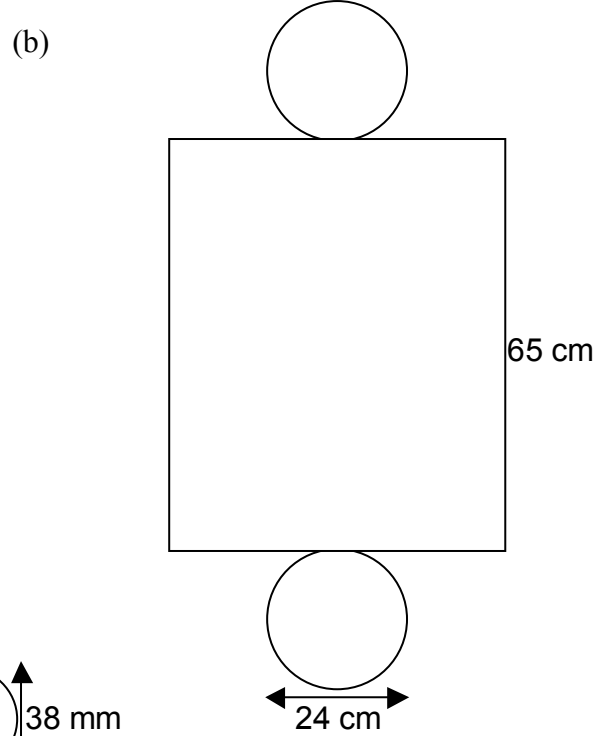
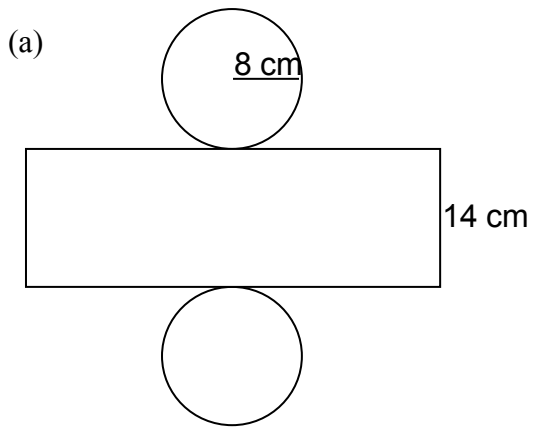
2. The nets of 3 cuboids are shown. Calculate their surface areas.



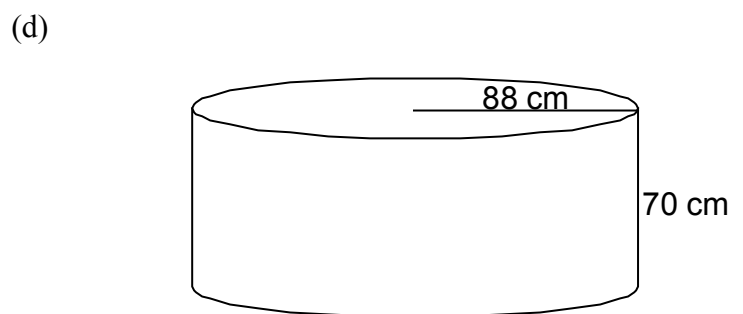
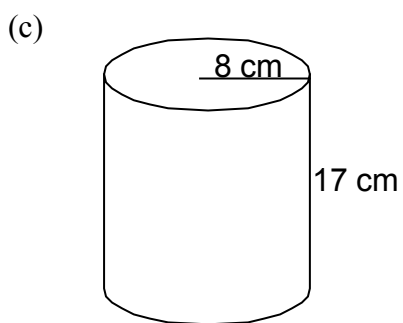
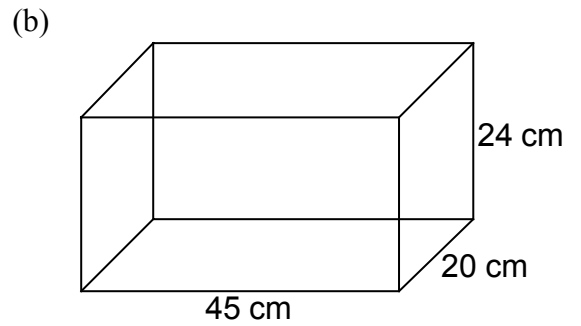
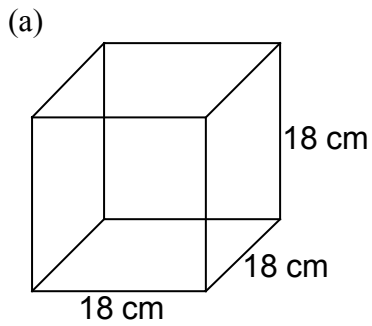
3. Find the surface area of each triangular prism below.

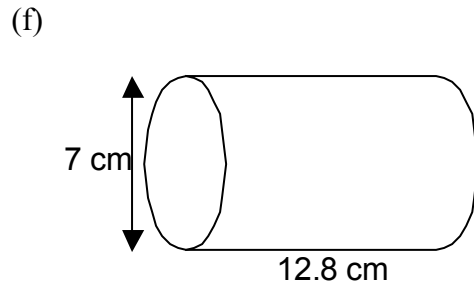
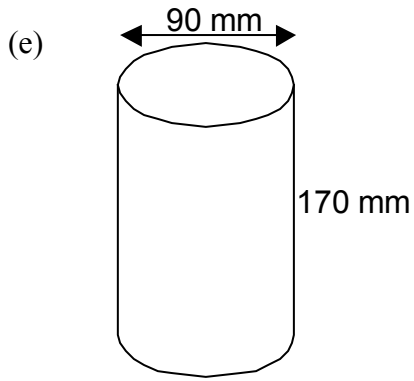


4. The diagrams below show the nets of cylinders. Calculate the surface area of each cylinder.



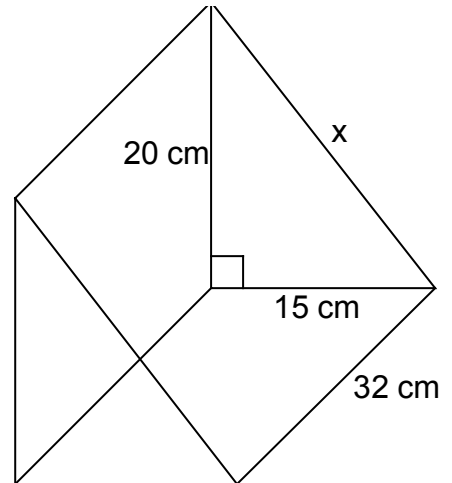
5. Calculate the surface area of each solid shown below.





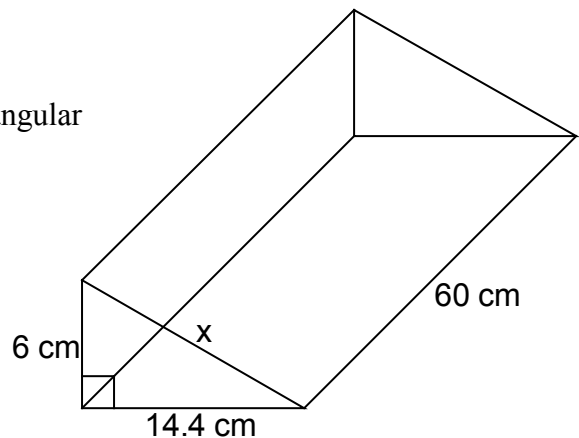
6. The diagram opposite shows a right-angled triangular prism.

- (a) Calculate the length marked x .
- (b) Find the surface area of this prism.



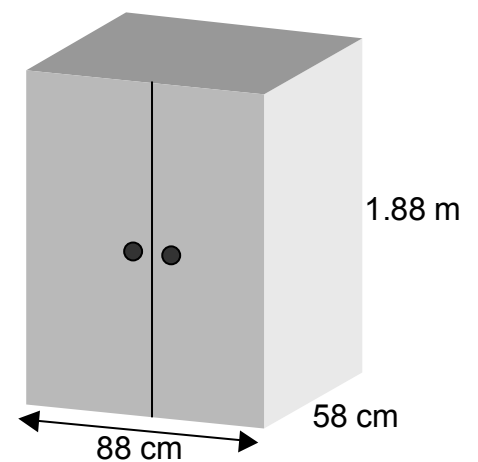
7. The diagram opposite shows a right-angled triangular prism.

- (c) Calculate the length marked x .
- (d) Find the surface area of this prism.



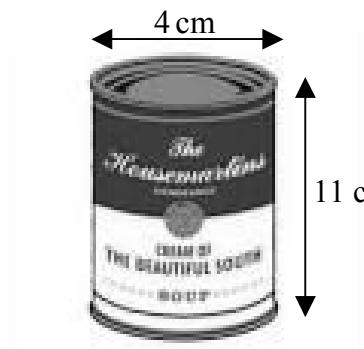
8. The diagram shows a wooden wardrobe.
The front and two sides of the wardrobe are to be given **two** coats of paint.

What area of wood needs to be painted?



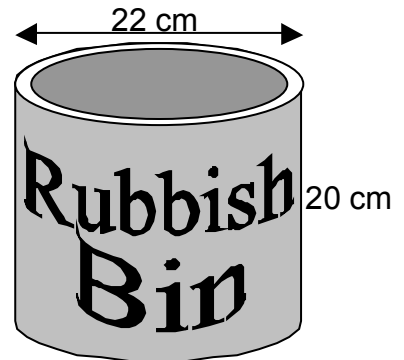
9. A tin of soup is made from aluminium with dimensions as shown opposite.

Calculate the area of aluminium used to make the tin.

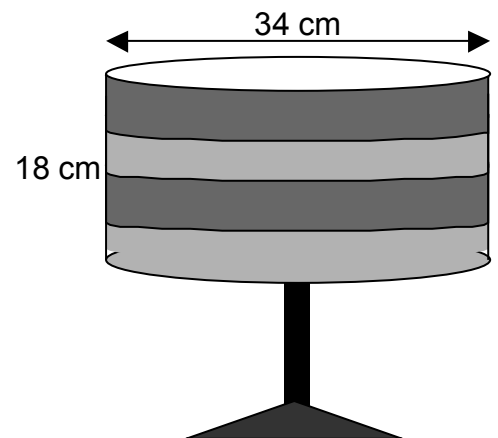


10. A rubbish bin is cylindrical in shape. The bin is made from plastic.

Calculate the area of plastic used to make the bin.

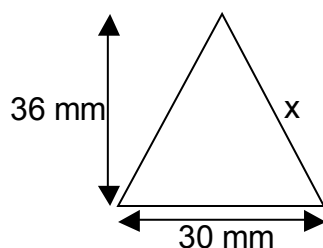


11. The shade of a table lamp is cylindrical in shape. Given the information in the diagram, calculate the amount of material used to make the shade.



12. The diagram shows a chocolate bar in the shape of a triangular prism.

The triangular face has measurements as shown below.



- (a) Calculate the length of side x .

- (b) The wrapper for the chocolate bar is made from cardboard. Work out the area of cardboard used to make the wrapper.

