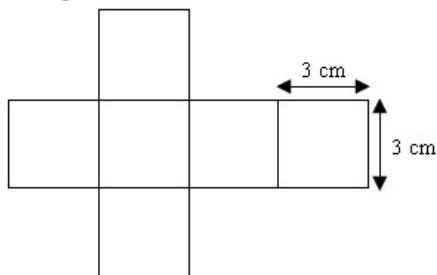


# Volume and surface area

This task is about surface area and volume of cuboids.

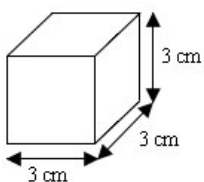
Diagram 1



a) What is the area of the net in Diagram 1? \_\_\_\_\_  $\text{cm}^2$

The net is made up into a cube, which is shown in Diagram 2.

Diagram 2

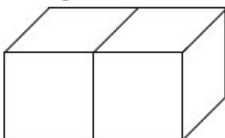


b) i) What is the volume of the cube? \_\_\_\_\_  $\text{cm}^3$

ii) What is the surface area of the cube? \_\_\_\_\_  $\text{cm}^2$

Diagram 3 shows two of the cubes glued together.

Diagram 3



c) i) What is the combined volume of the two cubes? \_\_\_\_\_  $\text{cm}^3$

ii) What is the surface area of the two cubes now that they are glued together? \_\_\_\_\_  $\text{cm}^2$