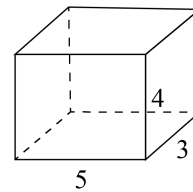


Day 8

1 Fill in the blanks.

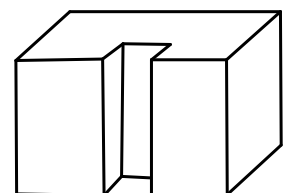
- (1) As shown in the figure below, a cuboid has length of 5 cm, width of 3 cm and height of 4 cm. The surface area of the cube is _____ cm^2 and the volume is _____ cm^3 .



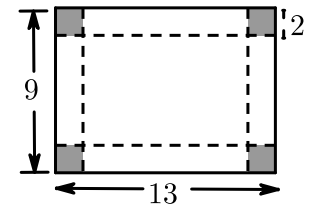
- (2) The edge length of a cube is 3 cm. The surface area of the cube is _____ cm^2 and the volume of it is _____ cm^3 .

- (3) If the edge length of a cube is doubled, the surface area is _____ times larger and the volume is _____ times larger.

2 As shown in the figure below, remove a cuboid in size of $2 \times 1 \times 5$ from a larger cuboid in size of $7 \times 4 \times 5$. What is the surface area of the remaining part? (unit: cm)



- 3 As shown in the figure below, squares with side lengths of 2 cm are cut off from the four corners of a rectangular sheet in size of 13 cm by 9 cm and an open box is made with the remaining sheet. What is the volume of the box?



- 4 As shown in the figure below, cut the cuboid with length of 2.4 m into 5 small cuboids and the total surface area increases by 96 cm². What is the volume of the cuboid?

