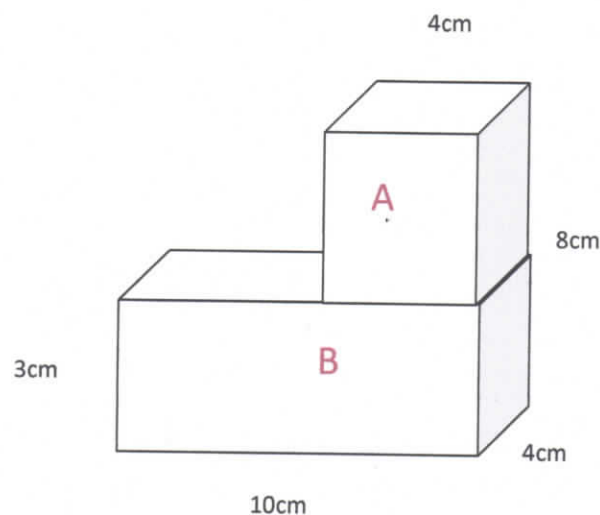


6. What is the volume of a cube which has an edge measuring 2cm? 8cm^3
7. One face of a cube has an area of 25cm^2 . What is its volume? 125cm^3
8. The surface area of a cube is 96cm^2 . What is the length of one side?
What is its volume? 4cm
9. A cube has a volume of 216cm^3 . What is the length of one side? 6cm
10. Kloggs Cereal Company is wanting to sell its new breakfast cereal—Choco Crispy Poppers. A 500g portion will take up 700cm^3 . The box manufacturer makes 3 sizes of cardboard boxes:

Box	Length (cm)	Width (cm)	Height (cm)	Volume cm^3
A	40	4	4	640
B	25	5	6	750
C	30	6	4	720

Which box would be most suitable for a 500g portion of Choco Crispy Poppers?

11. A cuboid has 3 different sized faces. The areas of 2 of the faces are 84cm^2 and 56cm^2 . The volume of the cuboid is 672cm^3 . Find
 - a) the length, width and height of the cuboid. $12\text{cm} \times 8\text{cm} \times 7\text{cm}$
 - b) the area of the third face. 96cm^2
12. Find the volume of this shape.



$$A = 5 \times 4 \times 4 = 80$$

$$B = 10 \times 4 \times 3 = 120$$

$$120 + 80 = 200\text{cm}^3$$