

CHAPTER 4: VOLUME AND SURFACE AREA OF PRISMS

$1 \text{ dm}^3 = 1 \text{ litres}$
 $1 \text{ cm}^3 = 1000 \text{ litres}$

1. Express $2\,875\,000 \text{ cm}^3$

i) in m^3

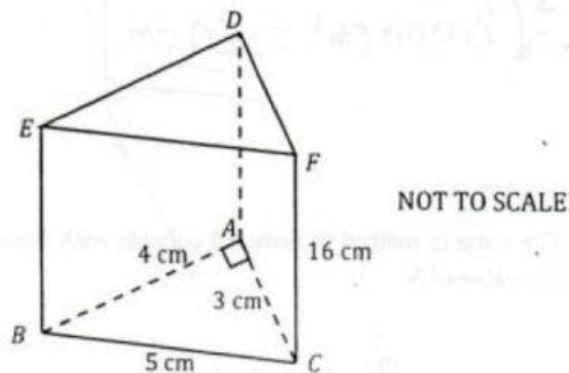
ii) in litres

2. A cuboid has length 20 cm, width 12 cm and height 10 cm. find

i) the volume of cuboid, cm^3

ii) the number of cubes can be obtained, if the cuboid is melted to form smaller cubes of length 4 cm.

3. The figure shows an open triangular tank with right-angled triangle base. It is given that $AB = 4 \text{ cm}$, $AC = 3 \text{ cm}$, $BC = 5 \text{ cm}$ and $CF = 16 \text{ cm}$.



i) the volume of the water in the tank in litres, litres

ii) the surface area of the tank that is in contact with the water.

cm^2