

Volume of Prisms

Volume of Prism = Area of the Base x Height

Find the volume of...

(a) Volume = Area(rectangle) x Height

$$= (12\text{m} \times 15\text{m}) \times 10\text{m}$$

$$= 180\text{m}^2 \times 10\text{m}$$

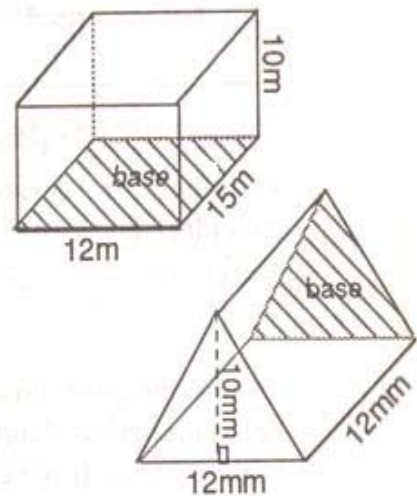
$$= 1\,800\text{m}^3$$

(b) Volume = Area(triangle) x Height

$$= \left(\frac{1}{2} \times 12\text{mm} \times 10\text{mm}\right) \times 12\text{mm}$$

$$= 60\text{mm}^2 \times 12\text{mm}$$

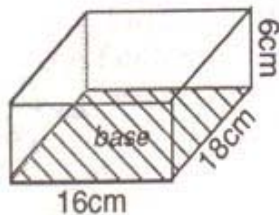
$$= 720\text{mm}^3$$



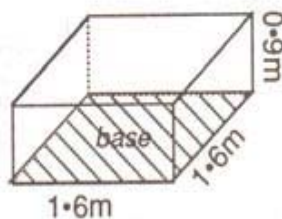
Exercise

Find the volume of each of the following prisms. (Give to 2 d.p.)

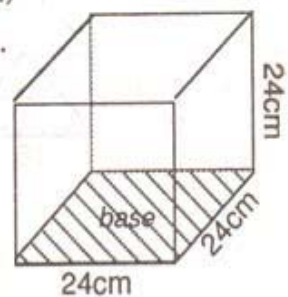
1.



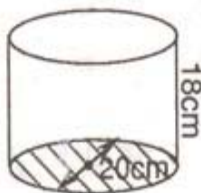
2.



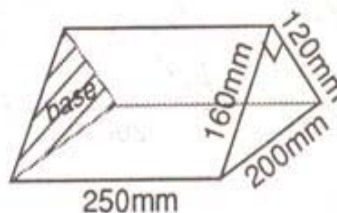
3.



4.



5.



6.

