

Apply site surveys and set out procedures to building and construction projects

WA-SIN W5904 - (BCGBC4018A)

Volume of Pyramids

$$\text{Volume of Pyramid} = \frac{1}{3} \times \text{Area of the Base} \times \text{Height}$$

Find the volume of the cone...

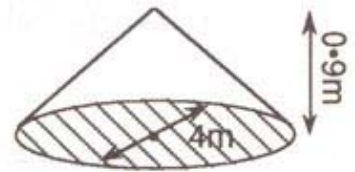
$$\text{Volume} = \frac{1}{3} \times \text{Area}(\text{circle}) \times \text{Height}$$

$$= \frac{1}{3} \times (\pi \times 2\text{m} \times 2\text{m}) \times 0.9\text{m}$$

$$= \frac{1}{3} \times \pi \times 4\text{m}^2 \times 0.9\text{m}$$

$$= \frac{1}{3} \times \pi \times 3.6\text{m}^3$$

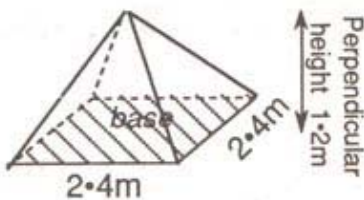
$$= 3.8\text{m}^3 \text{ (correct to 1 decimal place)}$$



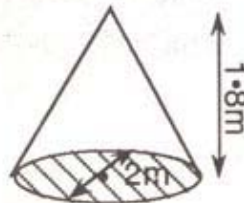
Exercise

Find the volume of each of the following pyramids.
Give your answers correct to one decimal place.

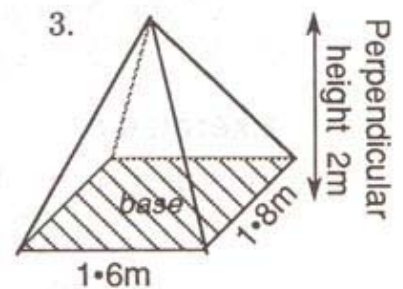
1.



2.



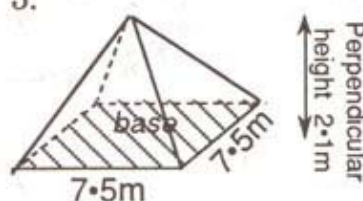
3.



4.



5.



6.

