Volume of Pyramids

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

Find the volume of the cone...

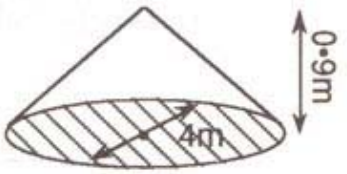
Volume = $\frac{1}{3}$ x Area(circle) x Height

= $\frac{1}{3}$ x (π x 2m x 2m) x 0·9m

= $\frac{1}{3}$ x π x $4m^2$ x 0·9m

= $\frac{1}{3}$ x π x $3{\cdot}6m^3$

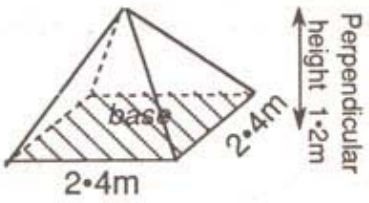
= $3{\cdot}8m^3$ (correct to 1 decimal place)



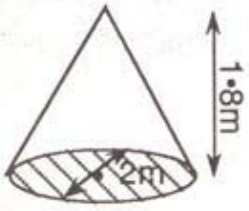
Exercise

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

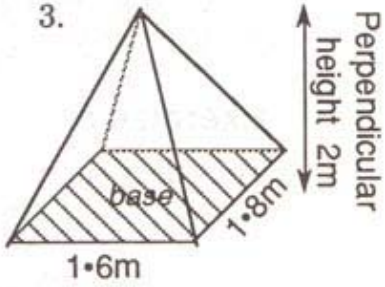
1.



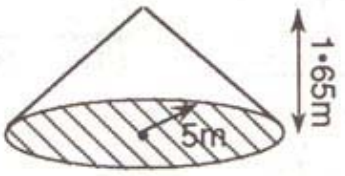
2.



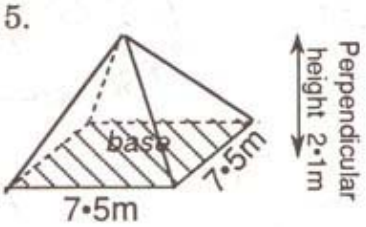
3.



4.



5.



6.