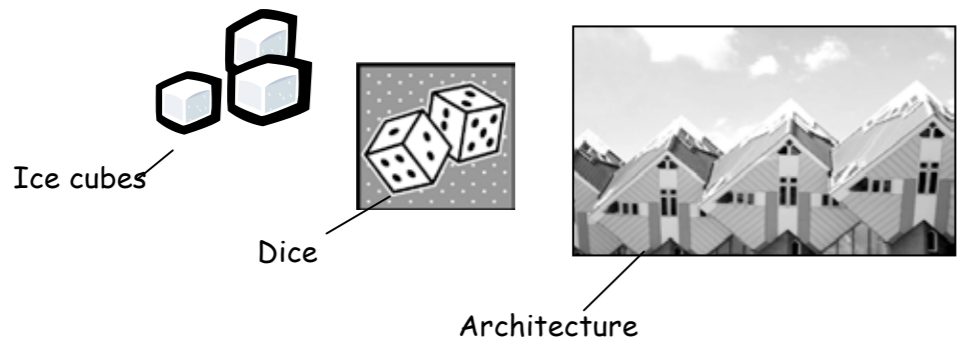


2.4 Volume of regular shapes

To use formulae to calculate the volume of 3D shapes

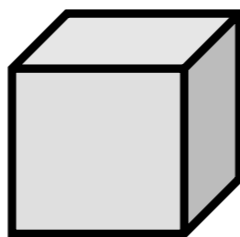


Units of Volume: mm³, cm³, m³

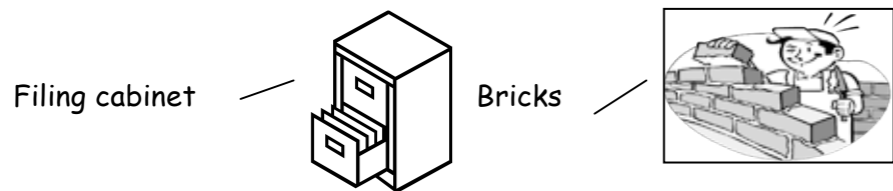


A **Cube** is a boxed-shaped object with sides of equal length.

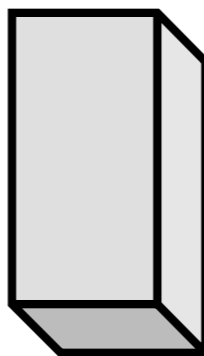
Find the volume of the cube opposite in cm³. The length of each side is 2.5 cm.



A **Cuboid** is a box-shaped object.

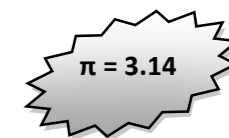
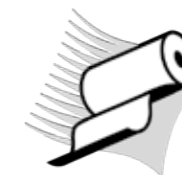


Find the volume of the container opposite in m³. Its dimensions are 11 m high, 3 m wide and 4 m long.



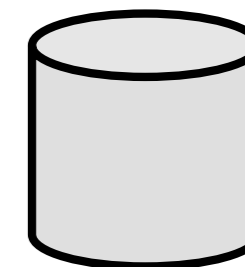
Date:

Cylinder



Find the volume in m³ of the tank opposite, the radius is 15 m and the height is 25 m.

Vol = $\pi r^2 h$



Find the volume in mm³ of the roller, the diameter* is 85 mm and the length is 550 mm.

Vol = $\pi r^2 h$



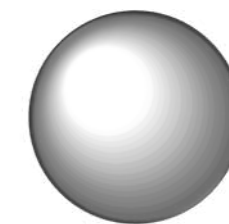
*diameter is twice the radius

Sphere



Find the volume in cm³ of a sphere with a radius equal to 5 cm.

Vol = $\frac{4}{3} \pi r^3$



CONCLUSION: What I have done...

