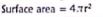
SHAPES

SPHERE

TRIANGULAR PRISM

REGULAR TETRAHEDRON



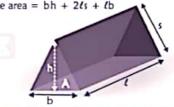




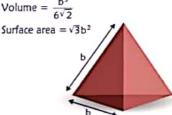
Volume of a general pyramid = $\frac{1}{3}$ Ah



Volume = Al or $\frac{1}{2}$ bhl Surface area = bh + 2ls + lb

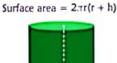


Volume = $\frac{b^3}{6\sqrt{2}}$



RIGHT CYLINDER

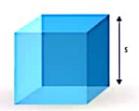
Volume = .rr2h







CUBE



SQUARE-BASED PYRAMID



RIGHT CIRCULAR CONE

Volume =
$$\frac{1}{3}\pi r^2 h$$

Surface area = $\pi r(r + s)$

PENTAGONAL PRISM

Volume of any prism = Ah

Surface area of a closed prism = $2A + 5(h \times p)$

where:

A = area of base

h = height p = perimeter of base



FRUSTUM OF A CONE

$$Volume = \frac{1}{3}\pi h(r^2 + rR + R^2)$$

Total Surface Area =
$$\pi(r+R)\sqrt{(R-r)^2+h^2} + \pi(r^2+R^2)$$



CUBOID

Volume = $t \times w \times h$

Surface area = 2th + 2tw + 2wh

