

## Mensuration Class 10 – Surface Areas & Volumes Formulas

Cube:

$$\text{Volume} = a^3$$

$$\text{TSA} = 6a^2$$

Cuboid:

$$\text{Volume} = l \cdot b \cdot h$$

$$\text{TSA} = 2(lb + bh + hl)$$

Cylinder:

$$\text{Volume} = \pi r^2 h$$

$$\text{CSA} = 2\pi r h$$

Cone:

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

$$\text{CSA} = \pi r l$$

Sphere:

$$\text{Volume} = \frac{4}{3} \pi r^3$$

$$\text{Surface Area} = 4\pi r^2$$