

## Cylinder Formula

### Solid Cylinder

If Radius of Cylinder =  $r$

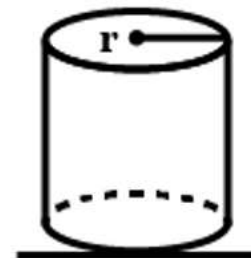
And Height of Cylinder =  $h$

Then

Curved surface area =  $2\pi rh$  sq. unit

Total surface area =  $2\pi r(r+h)$  sq unit

Volume =  $\pi r^2 h$  cubic unit



**Solid cylinder**

### Hollow Cylinder

If Outer Radius =  $R$

Inner Radius =  $r$

Height =  $h$

Then,

Curved surface area =  $2\pi h(R+r)$  sq unit

Total surface area =  $2\pi h(R+r) + 2\pi(R^2 - r^2)$  sq. unit

Volume =  $\pi h(R^2 - r^2)$  Cube Unit



**Hollow cylinder**