

3.30 Right Circular Cylinder

Radius of base: R

Diameter of base: d

Height: H

Lateral surface area: S_L

Area of base: S_B

Total surface area: S

Volume: V

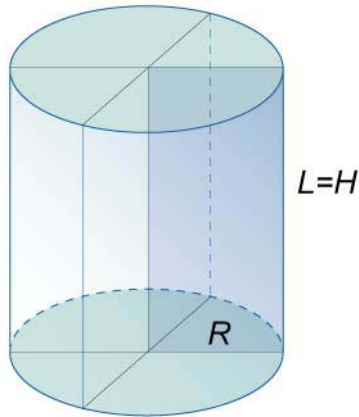


Figure 47.

321. $S_L = 2\pi RH$

322. $S = S_L + 2S_B = 2\pi R(H + R) = \pi d \left(H + \frac{d}{2} \right)$

323. $V = S_B H = \pi R^2 H$