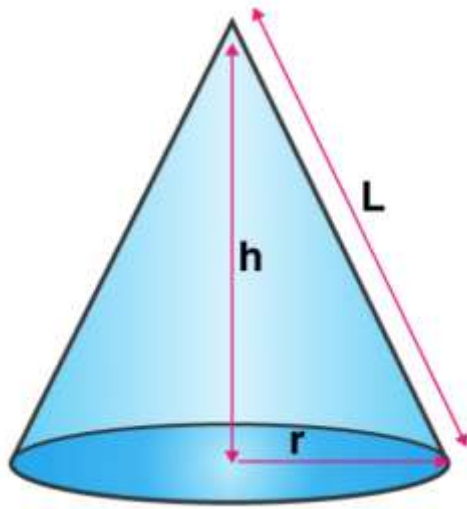
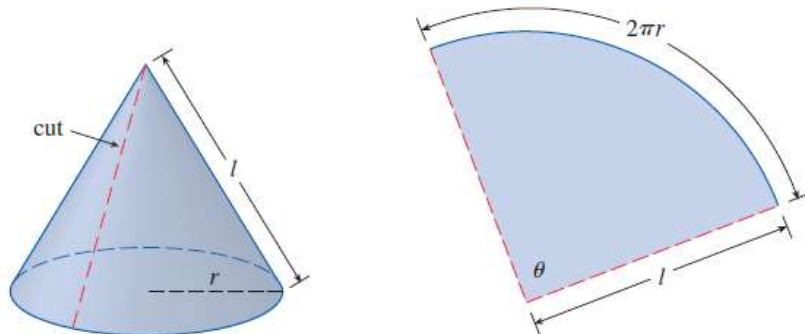


Cone Formula



If
 L = Slant Height
 h = Height
 r = Radius of a cone
 then

- i. Slant Height (L) = $\sqrt{h^2 + r^2}$
- ii. Curved Surface Area = $\pi r l$ sq unit
- iii. Total Surface Area = $\pi r (l + r)$ sq unit
- iv. Volume (v) = $\frac{1}{3} \pi r^2 h$ cubic unit



If a sector of a circle folded to make the two radii coincide, the surface so formed as right circular cone.

Note

- a. The vertex of the cone is the centre of the circle
- b. The slant height of the cone is equal to the radius of the circle.
- c. The circumference of the circular base of the cone is equal to the length of the arc of the sector.
- d. Curved surface area of the cone is equal to the area of the sector.