

Cork Plug*

$$\frac{3\pi - 4}{12} D^3$$

Solid Volumes

0.4521

1.000

0.7854

0.5236

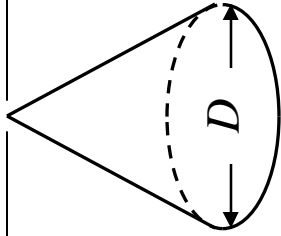
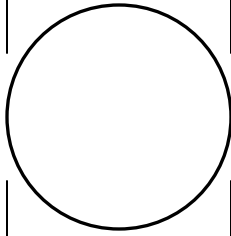
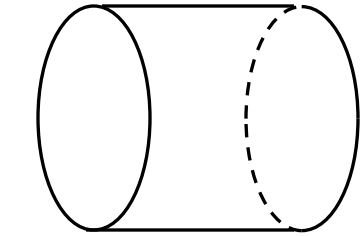
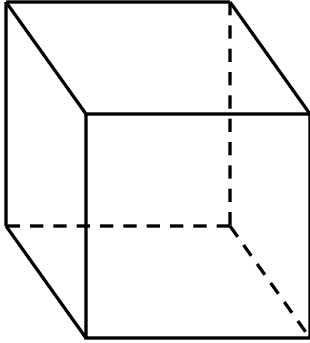
0.2618

$$D^3$$

$$\frac{\pi}{4} D^3$$

$$\frac{\pi}{6} D^3$$

$$\frac{\pi}{12} D^3$$



D

Cube

Cylinder

Sphere

Cone

Archimedes' Tombstone: Cone + Sphere = Cylinder

* Gardner, M. "The Cork Plug." Ch. 5 in [The Second Scientific American Book of Puzzles & Diversions: A New Selection](#), New York: Simon and Schuster, pp. 52-59, 1961.