

Actual = 8.4 g/cc

Brass Cylinder

electronic balance

triple beam balance

mass, g

caliper ruler

caliper ruler

length, cm

radius, cm

Volume method → Caliper Displacement + Calculation

Displacement

Ruler calc.

$$Calc = L \times \pi \times R^2$$

Volume, cc

Density
Mass/Volume

% error

$$\% error = \left(\frac{Actual - Exp}{Actual} \right) \times 100\%$$