

- 1) 2.25 g/cm³
- 2) 22.5 g/cm³
- 3) 111 g/cm³



- $D = \frac{mass}{volume} = \frac{50.00 \text{ g}}{2.22 \text{ cm}^3}$
 - = 22.522522 g/cm^3 = 22.5 g/cm^3

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2) 6 g/cm³ Volume (mL) of water displaced = 33 mL - 25 mL = 8 mL Volume of metal (c n) = 8 mL x 1 cm^3 = 8 cm³ 1 mL Density of metal = $\frac{\text{mass}}{\text{volume}} = \frac{48 \text{ g}}{8 \text{ cm}^3} = 6 \text{ g/cm}^3$

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density (g/cm³) of 48 g of a metal if the metal raises the level of water in a graduated cylinder from 25 mL to 33 mL?

1) 0.2 g/c m 2) 6 g/m 3) 252 g/c m



Which diagram represents the liquid layers in the cylinder?

(K) Karo syrup (1.4 g/mL), (V) vegetable oil (0.91 g/mL,) (W) water (1.0 g/mL)









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Α	substance	has	а	density	of	3.8	g/mL	_

Density = 3.8 g/mLEquality 3.8 g = 1 mL

Conversion factors.

 3.8 g
 and
 1 mL

 1 mL
 3.8 g

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gasoline, is 0.702 g/mL. What is the mass, in kg, of 875 mL of octane?

1) 0.614 kg

2) 614 kg

3) 1.25 kg





