

Density Practice Worksheet With Answers

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Density Practice Questions – Corbettmaths

To calculate the answer here, we need to recall the formula: $\text{density} = \frac{\text{mass}}{\text{volume}}$ In this question, the mass is 2460 kg and the volume is 1.2 m³, so we simply need to substitute these values into the formula as follows: $\text{Density} = \frac{2460 \text{ kg}}{1.2 \text{ m}^3} = 2050 \text{ kg/m}^3$

Density Mass Volume Worksheets | Questions and Revision | MME

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Answer Key For Density Worksheets - Teacher Worksheets

Answers 1) $d = \frac{40.5 \text{ g}}{15.0 \text{ mL}} = 2.7 \text{ g/mL}$ 2) $d = \frac{305.4 \text{ g}}{22.5 \text{ mL}} = 13.57333 \text{ g/mL}$ 3) $d = \frac{g}{\text{mL}}$ $g = (d) (\text{mL})$ $d = 2.70 \text{ g/mL}$ $d = 13.6 \text{ g/mL}$ $g = (0.789 \text{ g/mL}) (200.0 \text{ mL}) = 158 \text{ g}$ 4) $(8.4 \text{ cm}) (5.5 \text{ cm}) (4.6 \text{ cm}) = 212.52 \text{ cm}^3$ $d = \frac{1896 \text{ g}}{212.52 \text{ cm}^3} = 8.9 \text{ g/cm}^3$ Significant figures in the answer are dictated by the length measurements of two sig figs. 5) $\text{mass of CCl}_4 = 703.55 \text{ g} - 345.8 \text{ g} = 357.75 \text{ g}$ $d = \frac{357.75 \text{ g}}{225 \text{ mL}} = 1.59 \text{ g/mL}$ 6) $d = \frac{65.14 \text{ g}}{35.4 \text{ mL}} = 1.84 \text{ g/mL}$ 7) $d = \frac{g}{\text{mL}}$ $g = (d) (\text{mL}) \dots$

density practice problems key - studylib.net

Density Practice: Worksheet #1. Calculate density, and identify substances using a density chart. Density is a measure of the amount of mass in a certain volume. This physical property is often used to identify and classify substances. It is usually expressed in grams per cubic centimeters, or g/cm³.

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Density Practice Problem Worksheet - CHSD

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One way to do this is to mentally compare your answer against the density of water (1 gram per cubic centimeter). Light substances would float on water, so their density should be less than that of water. Heavy materials should have density values greater than that of water.

Density Test Questions with Answers - ThoughtCo

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$m(\text{silver}) = D \times v$ $m(\text{gold}) = D \times v$. $m(\text{silver}) = 10.5 \text{ g/cm}^3 \times 5 \text{ cm}^3$ $m(\text{gold}) = 19.3 \text{ g/cm}^3 \times 5 \text{ cm}^3$. $m(\text{silver}) = 52.5 \text{ gm}$ $m(\text{gold}) = 96.5 \text{ g}$. Answer gold. 6. Five mL of ethanol has a mass of 3.9 g, and 5.0 mL of benzene has a mass of 44 g. Which liquid is denser? $v(\text{ethanol}) = 5 \text{ ml}$ $v(\text{benzene}) = 5 \text{ ml}$.

Density Practice Problems - New Canaan

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