

EXTRA Density, Mass, Volume Word Problems

1. What is the density of an object with a mass of 60g and a volume of 2cm³?
2. You are given the following information: mass= 48g; volume=24 cm³. What is the density of this substance?
3. If you have a gold brick that is 2cm by 3cm by 4cm and has a density of 19.3g/cm³, what is its mass?
4. Calculate the mass of a substance which has a volume of 35 cm³ and a density of 0.5g/ cm³.
5. What is the density of a rock if its mass is 36g and its volume is 12cm³?
6. If a block of wood has a density of 0.6g/cm³ and a mass of 120g, what is its volume?

7. What is the density of an object that has a mass of 25g and a volume of 10cm³?

8. What is the mass of an object that has a volume of 34cm³ and a density of 6g/cm³?

9. What is the density of an object with a volume of 4cm³ and a mass of 8g? If you placed this object in a glass of water would the object float or sink?

10. The density of Platinum is 21.45g/cm³. How much space would 107.25g take up? If you cut this mass in half what would the density of Platinum be?