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1. The mass of a spoon is 7.5 grams and its volume is 3.2 mL . What is the density of the toy spoon?
2. A mechanical pencil has the density of 3 grams per cubic centimeter. The volume of the pencil is 15.8 cubic centimeters. What is the mass of the pencil?
3. A screwdriver has the density of $5.5 \mathrm{~g} / \mathrm{cm}^{3}$ and a mass of 2.3 g . What is the screwdriver's volume?
4. The density of a sample of gold is $19.32 \mathrm{~g} / \mathrm{cm}^{3}$. The volume is $48.9 \mathrm{~cm}^{3}$, what is the mass?
5. Calculate the density $\left(\mathrm{g} / \mathrm{cm}^{3}\right)$ of an object with a mass of 28.461 g and a volume of $5.26 \mathrm{~cm}^{3}$.
6. The volume of a certain wooden block is $63 \mathrm{~cm}^{3}$. The mass is 11.392 g . Find the density.
7. If the mass of a piece of copper is 26.326 g and it density is $4.44 \mathrm{~g} / \mathrm{cm}^{3}$, calculate the volume.
8. Sodium has a density of $1.95 \mathrm{~g} / \mathrm{cm}^{3}$. If the volume of some sodium is $9.0 \mathrm{~cm}^{3}$, what is the mass?
9. What is the density of an element if it has a mass of 43.2 g and a volume of 96.5 mL ?
10. A sample of a gas has a volume of 4000 mL and a mass of 4.922 g . What is its density?
11. Mercury's density is $13.6 \mathrm{~g} / \mathrm{mL}$. What is the volume of a sample that has a mass of 2242 g ?
12. If a liquid has a density of $.880 \mathrm{~g} / \mathrm{mL}$, what volume of this liquid would have a mass of 54 g ?
13. What is the mass of 25 mL of a liquid if its density is $1.25 \mathrm{~g} / \mathrm{mL}$ ?
14. What is the mass of .025 mL of oxygen gas if its density is $1.43 \mathrm{~g} / \mathrm{mL}$ ?
15. The density of an acid is $1.85 \mathrm{~g} / \mathrm{mL}$. What volume of the acid would have a mass of 64 g ?
