

14.56 mL	0.450 g	1.0000008 cm	0.0000008 cm	0.45 g	$6.36 \times 10^4$ kg	300 ounces
$6 \times 10^{21}$ atoms	100 yards	100. yards	100.0 yards	4500.1 grams	2.4000 meters	2.4001 meters
The quotient of 4.56 g & $0.23 \text{ cm}^3$	4507 joules	$5.5556 \times 10^2$ kPa	110 atm	101 atm	1.01 atm	1.10 atm
0.457 joules	4570 joules	1 cupcake	0.11 atm	0.110 atm	15 meters	1.5 meters
0.4570 joules	$5.000 \times 10^9$ grams	1.0 cupcake	0.1 cupcake	0.10 cupcake	15.0 meters	1.50 meters
7°C	14°C	14.000°C	14.000004°C	$7.00 \times 10^3$ °C	0.150 meters	0.15 meters
The density of a metal that has a mass of 333.55 g & 23.80 mL volume.		The % Error when your measure is $234,560 \text{ cm}^3$ and the actual value is $225,000 \text{ cm}^3$		The Percent Error when you measure 225 pounds but the teacher is 220. pounds		0.1500 meters
45,678,900.000 m	2.394000000 cm	25°C	0.25°C	25.0°C	25.99°C	$1.0 \times 10^{43}$ joules
Calculate density of an unknown metal with 76.12462 g, with volume of 14.300 mL.			What metal do you have there at left? What is the name and symbol? What is the atomic number?		Write the density formula to start. The density of pure water is 1.000 g/mL. What volume does 239 grams of water have? (do the math)	
Which has a greater density, 20.0 grams of aluminum, or 14.0 grams of aluminum? Are you sure?			Write the chemistry symbols for gold and for water. Label the proper one an element, and the other a compound.		Write the density formula to start. The density of pure gold is $19.3 \text{ g/cm}^3$ . What volume does 239 grams of gold have? (do the math)	

14.56 mL <b>4 SF</b>	0.450 g <b>3 SF</b>	1.0000008 cm <b>8 SF</b>	0.0000008 cm <b>1 SF</b>	0.45 g <b>2 SF</b>	$6.36 \times 10^4$ kg <b>3 SF</b>	300 ounces <b>1 SF</b>
$6 \times 10^{21}$ atoms <b>1 SF</b>	100 yards <b>1 SF</b>	100. yards <b>3 SF</b>	100.0 yards <b>4 SF</b>	4500.1 grams <b>5 SF</b>	2.4000 meters <b>5 SF</b>	2.4001 meters <b>5 SF</b>
The quotient of 4.56 g & $0.23 \text{ cm}^3$ <b>2 SF</b>	4507 joules <b>4 SF</b>	$5.5556 \times 10^2$ kPa <b>5 SF</b>	110 atm <b>2 SF</b>	101 atm <b>3 SF</b>	1.01 atm <b>3 SF</b>	1.10 atm <b>3 SF</b>
0.457 joules <b>3 SF</b>	4570 joules <b>3 SF</b>	1 cupcake <b>1 SF</b>	0.11 atm <b>2 SF</b>	0.110 atm <b>3 SF</b>	15 meters <b>2 SF</b>	1.5 meters <b>2 SF</b>
0.4570 joules <b>4 SF</b>	$5.000 \times 10^9$ grams <b>4 SF</b>	1.0 cupcake <b>2 SF</b>	0.1 cupcake <b>1 SF</b>	0.10 cupcake <b>2 SF</b>	15.0 meters <b>3 SF</b>	1.50 meters <b>3 SF</b>
7 yowzas! <b>1 SF</b>	14 yowzas! <b>2 SF</b>	7.000000 yowzas! <b>7 SF</b>	7.000002 yowzas! <b>7 SF</b>	$7.00 \times 10^3$ yowzas! <b>3 SF</b>	0.150 meters <b>3 SF</b>	0.15 meters <b>2 SF</b>
The density of a metal that has a mass of 333.55 g & 23.80 mL volume. <b>4 SF</b>		The % Error when your measure is $234,560 \text{ cm}^3$ and the actual value is $225,000 \text{ cm}^3$ <b>4 SF</b>		The Percent Error when you measure 225 pounds but the teacher is 220. pounds <b>3 SF</b>		0.1500 meters <b>4 SF</b>
45,678,900.000 m <b>11 SF</b>	2.394000000 cm <b>10 SF</b>	$25^\circ\text{C}$ <b>2 SF</b>	$0.25^\circ\text{C}$ <b>2 SF</b>	$25.0^\circ\text{C}$ <b>3 SF</b>	$25.99^\circ\text{C}$ <b>4 SF</b>	$1.0 \times 10^{43}$ joules <b>2 SF</b>
Calculate density of an unknown metal with 76.12462 g, with volume of 14.300 mL.  $\frac{76.12462 \text{ g}}{14.300 \text{ mL}} = 5.3234 \text{ g/cm}^3$ <b>Remember: 1 mL = 1 cm<sup>3</sup></b>			What metal do you have there at left? What is the name and symbol? What is the atomic number?  Germanium, Ge Atomic number is 32		What vol. does 239 grams of water have?  $D = \frac{\text{Mass}}{\text{volume}}$  $1.000 \text{ g/mL} = \frac{239 \text{ g}}{\text{volume}}$  $\text{volume} = 239 \text{ mL}$	
Which has a greater density, 20.0 grams of aluminum, or 14.0 grams of aluminum? Are you sure?  The different masses of the same element would also have different volumes. Density for aluminum is a constant. Density for any substance is a constant, no matter how much or how little you have! (I'm sure!)			Write the chemistry symbols for gold and for water. Label the proper one an element, and the other a compound.  Au is gold, it's an element  $\text{H}_2\text{O}$ is water, that's the compound		What volume does 239 grams of gold have?  $D = \frac{\text{Mass}}{\text{volume}}$  $19.3 \text{ g/cm}^3 = \frac{239 \text{ g}}{\text{volume}}$  $\text{volume} = 12.4 \text{ cm}^3$	