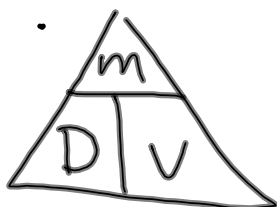


Density:

- A property of matter that is independent of quantity and shape
- Different for every substance because:
 1. atoms have different masses
 2. atoms may be packed tightly or loosely

Equation:



$$\text{Density} = \frac{\text{mass}}{\text{Volume}}$$

$$V \cdot D = \frac{m}{V}$$

$$V \cdot D = m$$

$$V = \frac{m}{D}$$

15 gallons to mL

1L = 0.26 gallons

$3 = 3 \quad \frac{3}{3} = 1$

1000 mL = 1L

15g	X	1000mL
	0.26g	X = 57,692.30 mL

9
5
9
d
e
f

$$\begin{array}{r}
 102 - 3 \\
 1.02 - 3 \\
 \underline{1.020} \quad 3 \overline{)4} \\
 \underline{10200} \quad 3 \overline{)5} \\
 0.00102 \quad 3 \overline{)5} \\
 \underline{10.009} \quad 5
 \end{array}$$