

Mass/Weight in the Imperial System

November-01-13

9:07 AM

mass: a measure of the quantity of matter in an object

weight: a measure of the force of gravity on an object

$$\begin{array}{l} 1 \text{ ton} = 1000 \text{ kg} \\ 1 \text{ kg} = 1000 \text{ g} \end{array}$$

SI (metric)

$$\begin{array}{l} 1 \text{ ton} = 2000 \text{ pounds} \\ 1 \text{ pound} = 16 \text{ ounces} \end{array}$$

Imperial

Ex. #1 Convert:

(a.) $14 \text{ oz} = \underline{\hspace{2cm}} \text{ lb}$

$$14 \text{ oz} \times \frac{1 \text{ lb}}{16 \text{ oz}}$$

$$= \boxed{0.87 \text{ lb.}}$$

$$\begin{array}{l} 1 \text{ ounce} = 28.35 \text{ g} \\ 1 \text{ pound} = 454 \text{ g} \\ 2.2 \text{ pounds} = 1 \text{ kg} \end{array}$$