

Making Conversions

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8:38 AM

The conversions to use between SI (metric) and Imperial systems for weight is:

$$\begin{array}{l} 1 \text{ kg} = 2.2 \text{ lb} \\ 1 \text{ lb} = 454 \text{ g} \\ 1 \text{ oz} = 28.35 \text{ g} \end{array}$$

see data book

Ex. #1 Convert.

(a.) $6 \text{ lb} = \underline{\hspace{2cm}} \text{ kg}$

$$6 \text{ lb} \times \frac{1 \text{ kg}}{2.2 \text{ lb}} = \boxed{2.72 \text{ kg}}$$

(b.) $150 \text{ g} = \underline{\hspace{2cm}} \text{ oz}$

$$150 \text{ g} \times \frac{1 \text{ oz}}{28.35 \text{ g}} = \boxed{5.29 \text{ oz}}$$

Please do Assignment #7