

Math 20 Quiz 9

Name _____

1. Convert 64 ounces to pounds (lb).

$$64 \text{ oz} = \underline{4} \text{ lb}$$

Equation: $16 \text{ oz} = 1 \text{ lb}$

Unit Fractions:
$$\frac{64 \text{ oz}}{16 \text{ oz}} \times \frac{1 \text{ lb}}{16 \text{ oz}} = \frac{64}{16} \times \frac{1 \text{ lb}}{8}$$

$$= \frac{8}{2} = \underline{\underline{4 \text{ lb}}}$$

2. 2 quarts = _____ mL

easy $1 \text{ qt} = .946 \text{ L} \leftrightarrow 1 \text{ L} = 1.057 \text{ qt}$
 $1 \text{ L} = 1000 \text{ mL}$

$$\frac{2 \text{ qt}}{1 \text{ qt}} \times \frac{.946 \text{ L}}{1 \text{ L}} \times \frac{1000 \text{ mL}}{1 \text{ L}}$$

$$= \underline{\underline{(2)(.946)(1000) \text{ mL}}}$$

$$= 2(946) \text{ mL}$$

$$= 1892 \text{ mL}$$

$$\begin{array}{r} 1 \\ 946 \\ \hline 1892 \end{array}$$