

# Chapter 5 Fraction Operations

5.5 Measuring in Customary Units

5.6 Converting Customary Units

Pages 245-249

Pages 250-256

$$5) 1 \text{ gal} = 4 \boxed{\text{qt}}$$

$$9) 35 \text{ in} = 2 \frac{11}{12} \text{ ft}$$

$$\frac{12 \text{ in}}{1 \text{ ft}} \quad \frac{35 \text{ in}}{\boxed{\phantom{00}} \text{ ft}}$$

$$12 \overline{) 35} \begin{array}{r} 2 \text{ R } 11 \\ \underline{24} \\ 11 \end{array}$$

$$13) 1 \frac{1}{4} \text{ T} = \boxed{\phantom{00}} \text{ lb}$$

$$\frac{1 \text{ T}}{20000 \text{ lb}} \quad \xrightarrow{\times 1.35} \quad \frac{1 \frac{1}{4} \text{ T}}{\boxed{2500 \text{ lb}}}$$

$$1 \frac{1}{4} = 1.25$$

$$\begin{array}{r} 2000 \\ \underline{1.25} \\ 10000 \\ 40000 \\ \underline{200000} \\ 2500.00 \end{array}$$

2,500

$$15) 25c = 12\frac{1}{2} \text{ pt}$$

$$\frac{2c}{1 \text{ pt}} = \frac{25c}{12\frac{1}{2} \text{ pt}}$$

$$2 \sqrt{\frac{12 R1}{25}}$$
$$\frac{2}{05}$$
$$\frac{4}{1}$$

**#16 = 2 pts**

p. 253

Do #24-28 even like this

$$\begin{array}{r} 25) \quad 6 \text{ lbs} \quad 7 \text{ oz} \\ \quad + 8 \text{ lbs} \quad 9 \text{ oz} \\ \hline \quad 14 \text{ lbs} \quad 16 \text{ oz} \end{array} \quad \text{€ } 15 \text{ lbs}$$

$$\begin{array}{r} 27) \quad 6 \text{ ft} \quad 2 \text{ in} \\ \quad - 2 \text{ ft} \quad 11 \text{ in} \\ \hline \quad \quad \quad 5 \text{ ft} \quad 14 \text{ in} \\ \quad \quad \quad - 2 \text{ ft} \quad 11 \text{ in} \\ \hline \quad \quad \quad 3 \text{ ft} \quad 3 \text{ in} \end{array}$$

3 ft 3 in

$$\begin{array}{r} 29) \quad 12 \text{ mi} \quad 500 \text{ ft} \\ \quad + 27 \text{ mi} \quad 5250 \text{ ft} \\ \hline \quad 39 \text{ mi} \quad 5750 \text{ ft} \end{array} \quad - \begin{array}{r} 5750 \\ 5280 \\ \hline 470 \end{array}$$

40 mi 470 ft

Do # 30-34 even like this

$$\begin{array}{l} 31) \quad 10 \text{ pt} \quad \square 2 \text{ gal} \\ \quad 2 \text{ pts} = 1 \text{ qt} \quad \& \quad 4 \text{ qt} = 1 \text{ gal} \quad \text{so} \quad 8 \text{ pt} = 1 \text{ gal} \\ \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad 16 \text{ pt} = 2 \text{ gal} \end{array}$$

$$10 \text{ pt} < 16 \text{ pt}$$

$$33) \quad \begin{array}{l} 3 \text{ yd} \leq 10 \text{ ft} \\ 9 \text{ ft} < 10 \text{ ft} \end{array}$$

$$3 \text{ ft} = 1 \text{ yd} \quad \text{so } 3 \times 3 = 9 \text{ ft} = 3 \text{ yd}$$

$$35) \quad \begin{array}{l} 2 \text{ T} \leq 5000 \text{ lb} \\ 4000 \text{ lb} < 5000 \text{ lb} \end{array}$$

$$1 \text{ T} = 2000 \text{ lb}$$

$$2 \text{ T} = 4000 \text{ lb}$$