HW13 Solution Sharpening Skills pg 81 #1-13

① 18 yd = $\boxed{648}$ in  $18 \times 36 = 648$

② 24 fl. oz. = $\boxed{3}$ c.  $24 \div 8 = 3$

③ 97 bu. = $\boxed{388}$ pk  $97 \times 4 = 388$

④ 12 oz = $\boxed{\frac{3}{4}}$ lb  $.75 = \frac{3}{4}$

or

$\boxed{.75}$ lb

$$\begin{array}{r} .75 \\ 16\overline{)12.00} \\ -112 \\ \hline 80 \\ -80 \\ \hline 0 \end{array}$$

⑤ 2.3 t = $\boxed{4{,}600}$ lb.  $2{,}000 \times 2.3 = 4{,}600$

⑥ $1\frac{1}{2}$ mi = $\boxed{2{,}640}$ yd  $1.5 \times 1{,}760 = 2{,}640$

⑦
$$\begin{array}{r} 1.7 \\ \times .86 \\ \hline 102 \\ +136 \\ \hline \boxed{1.462} \end{array}$$

⑧
$$\begin{array}{r} \boxed{.69} \\ 3.25\overline{)2.2425} \\ -1950\downarrow \\ \hline 2925 \\ -2925 \\ \hline 0 \end{array}$$

⑨
$$\begin{array}{r} 7\frac{3}{5} \\ +6\frac{1}{3} \end{array} \qquad \begin{array}{r} 7\frac{9}{15} \\ +6\frac{5}{15} \\ \hline \boxed{13\frac{14}{15}} \end{array}$$

⑩
$$\begin{array}{r} 15\frac{1}{2} \\ -7\frac{5}{8} \\ \hline \end{array} \qquad \begin{array}{r} \cancel{15}\ \frac{4}{8} \\ -7\frac{5}{8} \\ \hline \end{array} \qquad \begin{array}{r} 14\frac{12}{8} \\ -7\frac{5}{8} \\ \hline \boxed{7\frac{7}{8}} \end{array}$$

must borrow $14\frac{8}{8} + \frac{4}{8}$

(11.) $6\frac{3}{5}\% \rightarrow$ decimal

$6.6\% \rightarrow .066$

move decimal two places to the left!

$\boxed{\$113.92}$

$$\begin{array}{r} 1726 \\ \times .066 \\ \hline 10356 \\ 10356\phantom{0} \\ 00000\phantom{00} \\ \hline 113.916 \end{array}$$

(12) 15 is what percent of 40?

$\frac{15}{40} = \frac{3}{8} = .375 = \boxed{37.5\%}$

(13) 21 is 15% of what number? $\boxed{140}$

$15\% \rightarrow .15$

$$\begin{array}{r} 140 \\ .15\overline{)21.00} \\ -15\phantom{.00} \\ \hline 60\phantom{0} \\ -60\phantom{0} \\ \hline 0 \\ -0 \\ \hline 0 \end{array}$$