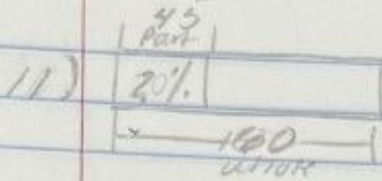
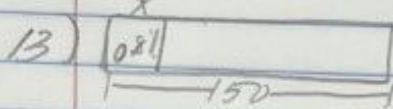


# HW: Feb. 14 Answer Key

HW p. 236 Percent Equation 43  
 #10-17 (odds) & 20-22 2/14



$$\begin{aligned} \text{part} &= \% (\text{whole}) \\ 45 &= x (160) \\ 60 &= 60 \\ 0.75 &= x \\ \boxed{75\%} \end{aligned}$$



$$\begin{aligned} \text{part} &= \% (\text{whole}) \\ x &= 0.8\% (150) \\ x &= 0.008 (150) \\ \boxed{x = 1.2} \end{aligned}$$

15.)  $\text{part} = \% (\text{whole})$   
 $12 = 0.5\% x$   
 $\frac{0.5}{100} = \frac{0.005}{100} \quad \frac{12}{0.005} = \frac{0.005x}{0.005}$   
 $\boxed{2400 = x}$

17.)  $\text{part} = \% (\text{whole})$   
 $102 = 120\% x$   
 $\frac{120}{100} = \frac{1.2}{100} \quad \frac{102}{1.2} = \frac{1.2x}{1.2}$   
 $\boxed{85 = x}$

20.)  $\text{part} = \% (\text{whole})$   
 $x = 2.5\% (8000)$   
 $x = 0.025 (8000)$   
 $\boxed{x = 200}$

21.)  $\text{part} = \% (\text{whole})$   
 $6750 = 125\% (x)$   
 $6750 = 1.25x$   
 $\frac{6750}{1.25} = \frac{1.25x}{1.25}$   
 $\boxed{5400 = x}$

22.)  $\text{part} = \% (\text{whole})$   
 $tax = x (240)$   
 $\frac{12}{240} = \frac{x (240)}{240}$   
 $0.05 = x$   
 $\boxed{5\%}$