

## 7-6 Percent of Change

Percent of Change - a ratio that compares the change to the original

$$\frac{\text{change}}{\text{original}} = \frac{\text{original} - \text{new}}{\text{original}}$$



2.  $\frac{24-18}{24} = \frac{6}{24} = 0.25 = 25\%$   
decrease

markup = percent increase  
selling price = total paid \$

3.  $\$75.00 \boxed{(0.4)} = 30.00$  markup  $n = 0.4(75)$   
 $n = 30.00$

$$\begin{array}{r} \$75.00 \\ + 30.00 \\ \hline \rightarrow \$105.00 \text{ selling price} \end{array}$$

4. discount sale > amount of decrease

$$\text{\$ } \underline{35.00} \text{ (} \overset{\text{off}}{0.67} \text{)} = 23.45$$

$$\begin{array}{r} \text{\$ } 35.00 \\ - 23.45 \\ \hline \end{array}$$

$$\text{\$ } \boxed{11.55}$$

$$\begin{aligned} n &= 0.67 (35.00) \\ n &= 23.45 \\ &\text{discount} \end{aligned}$$

p. 366  
# 1 - 6