

Name: KEY

**Income (Commission)**

1. If you 7% commission, and sell \$35 000 worth of goods, what is your take home?

$$35000 \cdot 0.07 = \boxed{\$2450}$$

2. If your hourly wage is \$11.20/hr and you make 3% commission. You work 7 hours and sell \$5000, what is your take home pay?

$$11.20 \cdot 7 = 78.40 \text{ hourly wage}$$

$$5000 \cdot 0.03 = \$150 \text{ in commission}$$

$$\begin{array}{r} 150 \\ + 78.40 \\ \hline 228.40 \end{array}$$

$$\boxed{\$228.40 \text{ Total}}$$

3. You're a Real Estate agent and you make 3% on your first \$250 000 and 1.5% on the rest, you sell three homes: \$650 000, \$498 000, and \$1 125 500 how much commission do you make?

$$\begin{array}{r} \del{2500} \ 650\,000 \\ + \ 498\,000 \\ \hline 1\,125\,500 \\ \hline 2\,273\,500 \end{array}$$

$$\begin{array}{l} 2\,273\,500 \text{ Total sales} \\ \downarrow \\ 250\,000 \leftarrow 3\% \text{ on this} = 7\,500 \\ 2\,023\,500 \leftarrow 1.5\% \text{ on this} = 30\,352.50 \\ \hline \text{Total: } \boxed{\$37\,852.50} \end{array}$$

4. If you made \$3900 and sold \$78 000 worth of goods, what is your commission percentage?

$$78000(x) = 3900$$

$$x = \frac{3900}{78000} = 0.05$$

$$\rightarrow \boxed{5\%}$$

5. You make a \$35.00 hourly wage, worked for 7 hours, sold \$1500 worth of goods, and got paid \$282.50 total. What is your commission percentage?

$$35 \cdot 7 = 245 \text{ hourly wage}$$

$$282.50 - 245 = 37.50 \text{ left over}$$

$$\$1500(x) = 37.50$$

$$x = \frac{37.50}{1500}$$

$$x = 0.025 \\ \boxed{= 2.5\%}$$