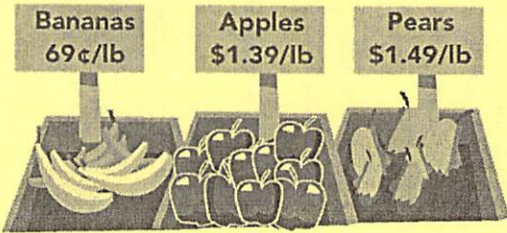# Lesson 7-1 – 7-4 Word Problems

1. If you buy a bag of apples at the market that weigh 3.24 pounds, what is the price of the apples? Round your answer to the nearest cent.

Bananas 69¢/lb	Apples $1.39/lb	Pears $1.49/lb

$$\begin{array}{r} \overset{1}{3}\overset{3}{.}24 \\ \times 1.39 \\ \hline 2916 \\ 9720 \\ +32400 \\ \hline 45.036 \end{array} \rightarrow \boxed{\$45.04}$$

2. You are on your way to work. You drive 4.3 miles to a gas station and buy gas. Your workplace is 1.78 miles from the gas station. What is the distance of your commute to work?

$$\begin{array}{r} 4.30 \\ +1.78 \\ \hline \boxed{6.08 \text{ miles}} \end{array}$$

3. Danny goes to the store to get more paper plates for a neighborhood cookout. Each package of paper plates sells for $1.80. Danny has $16.38 to spend. What is the maximum number of packages of paper plates he can buy?

$$\begin{array}{r} 9.1 \\ 1.8\overline{)16.38} \\ -16\ 2 \\ \hline 18 \\ -18 \\ \hline 0 \end{array}$$

$$\boxed{9 \text{ packages}}$$

4. A rectangular garden has width 4.1 ft. The length of the garden is 4 ft greater than the width. Find the area of the garden.

$4.1 + 4 = 8.1$

4.1 [rectangle]

$$\begin{array}{r} 4.1 \\ \times 8.1 \\ \hline .41 \\ 3280 \\ \hline \boxed{33.21 \text{ ft}^2} \end{array}$$

5. The area of a rectangle is 3.782 m². If the width of the rectangle is 0.61 m, what is the length of the rectangle?

$$\begin{array}{r} 6.2 \\ 0.61\overline{)3.782} \\ -366 \\ \hline 122 \\ .122 \\ \hline 0 \end{array}$$

$$\boxed{6.2 \text{ m}}$$