

**Examples of Word Problems – SHOW ALL WORK!!**

1. At Hamburger Pete's you can buy five burgers for \$4. How much will it cost you to buy 33 burgers for the entire class (and me!) to have for lunch?

$$\frac{4}{5} = \$0.80 \text{ per burger} \cdot 33 \text{ burgers} = \boxed{\$26.40}$$

2. You want to get a new Xbox and need to save \$215. You currently have \$75 in savings. If you earn \$5 per week as an allowance, what is the soonest you can have your new Xbox?

$$\begin{array}{r} 215 \\ - 75 \\ \hline 140 \end{array} \quad \begin{array}{r} 140 \$ \\ 5 \$ \\ \hline \end{array} = \boxed{28 \text{ weeks}}$$

3. You just got a new puppy (yay!) and your parents want to install the invisible fence. The dimensions of your rectangular yard are 60 ft by 85 ft. If the fence costs \$12 per foot, how much will it cost to install the new fence?

$$\begin{aligned} \text{Perim} &= 2(60) + 2(85) \\ &= 120 + 170 \\ &= 290 \end{aligned}$$

$$\begin{array}{r} \text{cost} = 290 \\ \times 12 \\ \hline 580 \\ 290 \\ \hline 3480 \end{array} \quad \boxed{\$3480}$$

4. Yesterday the temperature was  $25^{\circ}\text{C}$ . Today the temperature is  $82^{\circ}\text{F}$ . Which temperature was higher? Use the given conversion:  $F = \frac{9}{5}(C) + 32$   $C = \frac{5}{9}(F - 32)$

$$\begin{aligned} F &= \frac{9}{5}(25) + 32 \\ &= 45 + 32 \\ &= 77^{\circ} \end{aligned}$$

Today the temperature is higher