

Name: _____

Date: _____

2-Step Equations Word Problems

Example

Kevin got your membership at Super Bowl Food Center costing \$100. A registration fee of \$20 is paid up front, and the rest is paid monthly. How much do new members pay each month?

a. What is the important information we need to answer the question?

b. What will your variable represent?

c. Write your equation.

$$\text{registration fee} + \text{monthly cost per year} = \text{your total cost for one year}$$

d. Solve the equation.

1. Debra's cell phone company charges her \$20 a month for phone service plus \$0.20 for each text message. How many text messages did Debra send in a month if her bill was \$37?

a. Write an equation using t for the number of text messages.

b. Solve the equation.

2. Carole's Coffee Shop sells a roll of bag for \$0.75. Each roll costs \$1.20 each month. Tom spent \$20.75 on a bag and rolls. How many rolls did he buy?

a. Write an equation using r for the number of rolls.

b. Solve the equation.

3. Miss Peters bought all items purchased equipment and installed for a total cost of \$912. The equipment cost \$17 and the installed were \$73 each. How many installed did the school purchase?

a. Write an equation using e for the number of installed.

b. Solve the equation.

4. The bill for the repair of a computer was \$175. The cost of parts was \$45, and labor charge was \$40 per hour. How many hours did it take to repair the computer?

a. Write an equation using h for the number of hours it took to repair the computer.

b. Solve the equation.

