

NAME _____

Date _____ Period _____

Section 1.5

ALGEBRA

Solving Equations as Word Problems: Practice A

Directions: Solve each problem by following these steps:

Step 1: Make a table of values

Step 2: Identify the constant (the plain number)

Step 3: Identify the variable (how much each block changes in your table of values)

Step 4: Write the constant as a plain number, and “attach” the proper variable to the “changing value”

1. Tim wants air conditioning in his room. The air conditioner costs \$45. Each day the electricity costs \$2. Write an expression that can be used to find the cost to run the air conditioner for d days.

If Tim spent \$85 to cool his room, how many days did he run the air conditioner?

2. Tammy wants to rent a movie from the video store. The membership fee is \$15 per month, plus \$4 per movie. Write an expression that can be used to find the cost to rent v videos.

If Tammy spent \$103 at the video store, how many videos did she rent?

3. Billy is saving up to buy a new cell phone. He has \$45 right now, and can save \$6 each month. Write an expression that can be used to determine Billy's savings after m months.

If Billy wants to buy a phone that costs \$63, how many months does he have to save up?

4. A gym membership costs \$12 per month, plus \$10 for each training session. Write an expression that can be used to determine the cost of going to the gym for s number of sessions.

If you spent \$62 at the gym in March, how many training sessions did you attend?

5. Betty wants to mail a package. The flat rate for mailing a package is \$4, plus \$2 per ounce. Write an expression that can be used to determine the total cost of mailing a package that weighs u ounces.

If Betty spent \$88 to mail her package, then how many ounces was the package?