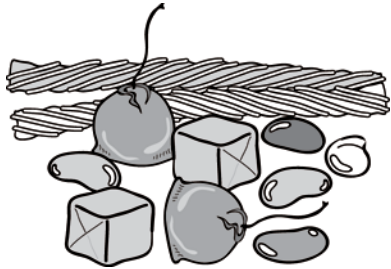# The Candy Problem

NAME _____

Read the following problem. Write down your thoughts for Questions 1 to 4, and discuss them with a partner. Then, solve the problem.

Daniel bought 1 pound of jelly beans and 2 pounds of chocolates for $2.00. A week later, he bought 4 pounds of caramels and 1 pound of jelly beans, paying $3.00. The next week, he bought 3 pounds of licorice, 1 pound of jelly beans, and 1 pound of caramels for $1.50. How much would he have to pay on his next trip to the candy store if he bought 1 pound of each of the 4 kinds of candy?

1. What are the unknowns in the problem? How many are there? Assign a variable to represent each unknown.

2. Write equations based on the given information using the variables you chose. How many equations did you write?

3. What is the question asking you to find? Express this both in a sentence and in a mathematical equation.

4. What approach could you take to solving this problem? What are some of the obstacles you anticipate?

5. Solve the problem. Be prepared to share your solution and articulate the mathematics you used. There are multiple approaches to this problem but only one correct solution.