

Situational Problem

- To develop **Competency 1**: Solves a situational problem

Purchasing Supplies

You are the manager of a local food bank that helps people in need. As manager of the food bank, you must work within the provided budget to obtain enough food to service everyone who comes to the food bank.

? How can you use the available budget to purchase enough food to provide nutritious meals to those who come to the food bank?

Your task is to use the given criteria to determine how you will use only the available budget to purchase enough food to provide nutritious meals to those who come to the food bank. (Note: your food purchases will not be taxed.)

- Currently, 310 households will need serviced, including 530 adults and 360 children.
- This year's annual budget for the food bank is \$150 000.
- Use a list of food prices or research food prices, as directed by your teacher.
- Meals provided by the food bank must include foods from each of the following categories: fruits and vegetables, grains, and proteins (which include dry beans and eggs).
- Food is issued once a month to each household.
- Write an equation and use it to determine how much can be spent per month on each person.

A. Think of a plan

What do you plan to do to complete this task? What ideas, strategies and steps do you have in mind for deciding how to use the given budget for the food bank?

Name: _____ Date: _____

B. Carry out your plan

Use the space provided below to plan your purchases and the way you will divide the food and the money, include the equation that helped you to determine the amount of money you will spend each month per person. Fill in the sample order form.

Name: _____ Date: _____

Now that you have a solution, you know whether your plan helped you. Did you follow your plan? While selecting items for the food bank to purchase, did you change your strategies and/or steps?

D. Evaluate your solution

How do you know that the items you have chosen will provide adequate, nutritious meals for all the families served by the food bank? How do you know the amount of money you plan to spend on each individual each month will stay within the given budget?

Evaluation Criteria Checklist

- You followed nutrition guidelines for the meals.
- You made certain everyone would be served fairly.
- You used a list of food prices and stayed within the given budget.
- You used correct mathematical language in your explanations.