

# **Feeding 120 Children**

## **FOOD for the End of Year Celebration**

Name \_\_\_\_\_ Date \_\_\_\_\_

We know fifth graders like to eat so your first task is to finalize food plans. You have been selected to serve on the food committee. Use your math expertise to figure out the cost of food. You have been asked to keep the cost under \$5.00 per student to cover food and supplies. There are 120 fifth graders.

Be prepared to explain your solutions to others.

1. Orders have been placed for the main course. The results are below.

	Number who chose it	Cost of the item	Total cost
Hot Dogs	32	8 for \$2.99	
Hamburgers	40	10 frozen patties for \$3.99	
Pizza	48	12 slices for \$8.99	
			TOTAL:

What is the cost for these three items?



2. Now for hot dog and hamburger rolls. You may buy a package of 12 rolls for \$4.19 or 10 for \$3.29. Which is the better buy? How do you know?

3. How much will you spend on rolls?



4. Now for a big favorite among the fifth graders...frozen fruit! A one-pound bag costs \$4.99. The serving size is 4 ounces. How much will the frozen fruit cost?



5. Chips cost \$3.79 per bag. Each bag serves 8 people. How much will the chips cost?

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6. Now for the salsa. Mrs. Alston, a parent, has agreed to make her Super Sassy Salsa. The recipe is below.

| <b>SUPER SASSY SALSA</b>                                                                                  |
|-----------------------------------------------------------------------------------------------------------|
| <b>Ingredients</b><br>1 cup of salsa (8 ounces = 1 cup)<br>½ cup sour cream<br>12 ounces of cheese spread |
| <b>Preparation</b><br>Combine cheese spread, salsa, and sour cream. Mix well. Serves 10 people.           |

How much of each ingredient will she need to make enough for 120 fifth graders?

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7. Though Mrs. Alston will donate the dip, she needs to know how much it will cost. Below are the costs for each ingredient. Figure the cost of each and then her total expense.

Salsa: a 16-ounce jar for \$2.99

Sour Cream: an 8-ounce carton costs \$1.99

Cheese Spread: 16 ounces for \$2.59

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8. Now that you have the food, we need additional supplies. Below are items that need to be purchased.

Napkins \$2.98 for a pack of 50

Paper plates \$ 1.99 per dozen

9 oz. cups \$3.19 per pack of 50

Forks, knives, spoons 48 of each \$4.69

- A. Decide how much of each item is needed. Be ready to show your classmates how you arrived at your answer.
- B. Find the cost of each item and the total spent on these supplies as well as food.

9. Now it is time to determine the cost of food and supplies for each student. Were you able to keep the cost under \$5.00 per student? How do you know?

10. As a group, design a recording sheet so that you can keep track of all expenses for this celebration. Be prepared to show your way to keep track of costs to the rest of the class.