






INTRODUCTION

Basic Menu Math – Cafeteria is a “real-life” addition program using a realistic menu order board along with visual worksheets for a cafeteria style restaurant, “Mom’s Cafeteria.” By featuring food illustrations both on the menu order board and worksheets, the program helps individuals to increase independent math skills, basic reading skills, and sight word recognition skills. The program is also easy to use with individuals who have limited or no reading skills.






PCI’s Janie Haugen envisioned the program after observing students in her class struggling to order within their personal budgets at various types of restaurants. She created the worksheets to show students how to figure the total cost of a meal *before* placing a food order. The 96 worksheets have practice activities that teach students to stay within their “food budget” or “cash-on-hand” limits.

Example

Name _____ Date _____		
A. Fill in the price of each food item. B. Add the food prices together to find the basic cost of the meal.		
1 Mom's Cafeteria		
Green Salad		\$ _____
Spaghetti & Meatballs <input type="radio"/> with tomato sauce <input type="radio"/> with cream sauce		_____
Bread (2 slices) <input type="radio"/> white <input type="radio"/> wheat		_____
Iced Tea <input type="radio"/> sweetened <input type="radio"/> unsweetened		+ _____
TOTAL		\$ _____
<small>REPRODUCIBLE</small>		<small>WORKSHEET 1</small>

“Mom’s Cafeteria” Worksheet

Example

Name _____ Date _____		
A. Fill in the price of each food item. B. Add the food prices together to find the basic cost of the meal.		
1 Mom's Cafeteria		
Baked White Fish <input type="radio"/> with tartar sauce <input type="radio"/> without tartar sauce		\$ _____
Roasted Potatoes		_____
Milk <input type="radio"/> regular <input type="radio"/> chocolate		_____
Apple Pie		+ _____
TOTAL		\$ _____
<small>REPRODUCIBLE</small>		<small>WORKSHEET 49</small>

“Mom’s Cafeteria” Worksheet

GETTING STARTED

- 1. CALCULATOR USE:** As students with varying math needs and abilities will be using this program, the teacher should decide which students, if any, should use calculators. PCI's Money Calc is especially effective for students who need assistance working money math.
- 2. USING THE ANSWER KEY/PROGRESS CHART:** The Answer Key/Progress Chart should be reproduced for each student. This chart helps teachers maintain a record of each student's ability to obtain correct answers and keep track of each student's place in the program.
- 3. READING LEVEL:** Students with limited or no reading skills can work the math by finding the matching food pictures on the corresponding menu order board to locate the correct prices.
- 4. EXPLAIN LIFE SKILLS MATH CONCEPT:** Tell students that they are beginning a cafeteria style restaurant math program. Define the term "cafeteria" as a restaurant where diners get in line, take a food tray and silverware, order food items from food servers, select a drink, get a food ticket from a cashier, take the food tray to a table, and pay for the meal at a cash register upon leaving. Explain that the participants will be working math problems to find the total costs of various combinations of cafeteria foods. Review that many foods in a cafeteria look appetizing, but that people need to narrow their food choices. Explain that ordering a smaller amount of food helps keep people within their food budget and is a healthier eating plan.

Write on the board the humorous quote, "I am hungry as a horse. I'll take one of everything." Ask for volunteers to explain the quote's meaning. If assistance is needed, explain that the quote refers to a person who goes into a restaurant when very hungry. Explain that ordering too much food can cause a person to eat too many calories and cost a great deal of money.

- 5. REVIEW THE MENU ORDER BOARD:** Give all participants a menu order board to review. Ask them to find the name of the restaurant at the top of the menu order board (e.g., "Mom's Cafeteria"). Ask for a volunteer to describe the restaurant's logo (e.g., "a checkerboard pattern on dinner napkins"). This review is especially important for students with limited or no reading skills.

Ask for volunteers to state the following information about the food items on the menu.

- A. IDENTIFY FOOD ITEMS** by reading or recognizing the written words and/or pictures (e.g., Ham, Broccoli, Texas Toast, Carrot Salad, Meat Loaf, Strawberry Shortcake). Assist participants as needed with the correct pronunciation of all food items.
 - B. STATE THE PRICE OF FOOD ITEMS** by reading or by pointing to the correct price on the menu order board (e.g., Ham - \$3.40; Broccoli - \$1.29; Texas Toast - \$.39; Carrot Salad - \$.85; Meat Loaf - \$2.89; Strawberry Shortcake - \$2.25).
- 6. HAND OUT WORKSHEETS:** Everyone should have a sharpened pencil with a good eraser. Ask participants to write their names and the date on the top of all worksheets or on the front worksheet and staple the sheets together.

7. REVIEW WORKSHEET INSTRUCTIONS: Read the instructions on the top of the first worksheet aloud to the group so participants know how to perform the math.

A. Explain that food items on the worksheets with a circle “○” in front of them mean that the person should make a choice (e.g., white or wheat bread, Spaghetti & Meatballs with tomato sauce or with cream sauce, cola or lemon-lime soft drink, plain or buttered Texas toast, regular or decaffeinated coffee, regular or chocolate milk). Point out that the choices students make will not affect the price of the foods.

B. Although a free glass of water can be obtained at a cafeteria style restaurant, water was not included on the worksheets as a possible drink choice to give more addition math practice opportunities. The issue of a “free” drink is thoroughly addressed in Basic Menu Math - Fast Food and Basic Menu Math - Restaurant.

NOTE TO TEACHER: Most of the meal totals in this program are common dollar amounts for a cafeteria. However, participants who think the cost of a meal is too high for their personal “food budgets” should be encouraged to decide which food item(s) can be eliminated to bring the total within their budgets. This activity addresses the common occurrence of people wanting to order more food than they can afford. The practice helps students learn to adjust the number of food items they initially want to order after determining the total cost. Allow students to use their own eating preferences when possible, such as eliminating all salads, choosing the least expensive dessert, or substituting other vegetables for ones they do not like.

8. OBSERVE PARTICIPANTS: Check participants’ work near the beginning of the math session, and periodically throughout, to make sure they understand how to fill out the sheets and work the addition problems. Encourage everyone to work with as much independence as possible. Give assistance on an “as needed” basis only.

9. REVIEW ANSWERS: Using the Answer Key/Progress Charts provided on pages 8–15, review each person’s worksheets on an individual basis. Explain any wrong answers and ask the person to rework the math problems.

10. LEAD A GROUP DISCUSSION: While reviewing each worksheet, point out how ordering extra items increases the overall price of a meal. Ask students for ideas on how to “order smartly” at cafeterias located in their community (e.g., choose the least expensive salads, entrees, or desserts; order the “manager’s special;” order a free glass of water as the drink).

INSTRUCTIONS FOR COMPLETING "MOM'S CAFETERIA" WORKSHEETS

- A** Using the "Mom's Cafeteria" menu order board, find the price of each food item on the worksheet.
- B** Write the price of each food item on the worksheet on the blank line to the right of its picture.
- C** Do the math and write the answer by the \$ sign at the bottom of the problem.

MOM'S CAFETERIA					
SALADS		VEGETABLES		DRINKS	
Carrot Salad \$.85	Green Salad \$1.15	Roasted Potatoes \$.89	Broccoli \$1.29	Iced Tea \$1.00 <small>(sweetened or unsweetened)</small>	Punch \$1.10 <small>(fruit or tropical)</small>
Fruit Salad \$1.25	Jello Salad \$.95	Carrots \$.79	Macaroni & Cheese \$1.09	Soft Drinks \$1.05 <small>(cola or lemon-lime)</small>	Juice \$1.75 <small>(orange or apple)</small>
MAIN DISHES					
Baked Chicken \$2.39 <small>(with or without cheese)</small>	Spaghetti & Meatballs \$2.79 <small>(with tomato or cream sauce)</small>	Corn \$.99	Lima Beans \$.50	Milk \$1.20 <small>(regular or chocolate)</small>	Coffee \$.90 <small>(regular or decaffeinated)</small>
Grilled Chopped Steak \$2.99 <small>(with or without mushrooms)</small>	Roast Beef \$3.50 <small>(with or without gravy)</small>	Okra \$.89	Mushrooms \$1.19	DESSERTS	
Baked White Fish \$3.69 <small>(with or without tartar sauce)</small>	Ham \$3.40 <small>(with or without honey glaze)</small>	BREADS		Apple Pie \$1.35	Pecan Pie \$1.55
Stuffed Bell Pepper \$3.29 <small>(with or without onions)</small>	Meat Loaf \$2.89 <small>(with or without tomato sauce)</small>	Bread (2 slices) \$.15 <small>(white or wheat)</small>	Corn Bread \$.25 <small>(regular or jalapeno)</small>	Strawberry Shortcake \$2.25	Banana Pudding \$1.89
CONDIMENTS					
		Roll \$.20 <small>(white or wheat)</small>	Texas Toast \$.30 <small>(plain or buttered)</small>	Deviled Eggs (2 halves) \$.50	Pickles (3) \$.40 <small>(sweet or dill)</small>

Name _____ Date _____

A. Fill in the price of each food item. **B.** Add the food prices together to find the basic cost of the meal.

Mom's Cafeteria	
Green Salad	\$ <u>1.15</u> B
Spaghetti & Meatballs <input checked="" type="checkbox"/> with tomato sauce <input type="checkbox"/> with cream sauce	<u>2.79</u> B
Bread (2 slices) <input type="checkbox"/> white <input checked="" type="checkbox"/> wheat	<u>.15</u> B
Iced Tea <input checked="" type="checkbox"/> sweetened <input type="checkbox"/> unsweetened	+ <u>1.00</u> B
TOTAL	\$ <u>5.09</u> C

© PRO-ED, INC. WORKSHEET 1