

U.S. Mint Coin Classroom Lesson Plan: G.W.'s Place



G.W.'s Place

Subject: Math

Grade Level: 2nd – 3rd

Summary: Students will solve story problems involving money. They will use higher level critical thinking skills to develop their own strategies for solving the problems.

BIG QUESTION

How can we dine out using the money we have?

TIMING

0 to 45 minutes

LEARNING OBJECTIVES

- Students will solve story problems involving money.
- Students will use higher level critical thinking skills to develop their own strategies for solving the problems.

MATERIALS

- Assorted coins (real coins, play money, or other manipulatives)
- Bags or other containers to hold the money
- G.W.'s Place Menu and Let's Eat at G.W.'s! worksheets
- Paper and pencil

PROCEDURE

1. Hand out a copies of the associated worksheets to each student. Explain to students that they should pretend that they are eating at an American Diner called "G.W.'s Place." (See if students can figure out the meaning behind "G.W.".) Read the menu together and discuss the meaning behind some of the foods' names.
2. Organize students into groups and give each group one bag of money. Each small group should work together to count their money, determining how much can be spent on dinner.

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The groups will be "dining" together with only that amount of money, so they will need to work together to ensure that everyone is able to order a meal.

3. Once students have counted their money and confirmed the amount with the teacher, they may begin ordering their meals. Instruct students to write down what they will be eating and the cost on the top portion of their "Let's Eat at G.W.'s!" work page.
4. Once everyone has decided on what they would like to eat and calculated the cost, the groups will need to add the amounts together to see if they have enough money. If they do, they can proceed. If they do not, they will need to make adjustments to their orders.
5. Once students have completed the first activity, have them complete the rest of the work page, solving the story problems using "G.W.'s Place Menu."
6. When everyone has finished, ask groups to share what they ordered, the cost, and how much they had left over (if any). Go over some strategies used in solving these money problems.

ASSESSMENT

Use the worksheets, looking for both correct answers and strategies that show solid mathematical thinking.

DIFFERENTIATE

- Allow extended time.
- Advanced students could receive their own amount of money and do this activity independently.

RELATED

- U.S. Mint Coin Classroom Game, [Counting with Coins](#)
- U.S. Mint Coin Classroom Activity, [Cents-able Shopping](#)

STANDARDS

Common Core Standards

[CCSS.Math.Content.2.OA.B.2](#)

Fluently add and subtract within 20 using mental strategies.² By end of Grade 2, know from memory all sums of two one-digit numbers.

National Standards

Discipline: Mathematics

Domain: K-2 Number and Operations

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Cluster: Understand numbers, ways of representing numbers, relationships among numbers, and number systems.

Grade(s): Grades K–2



G.W.'s Place

A N A M E R I C A N D I N E R

Breakfast

Pancakes with **Vermont**
maple syrup \$5.75

New York Apple Muffin served with
apple butter or jelly \$1.25

Appetizers & Salads

New Jersey Garden Salad
with **Texas** ranch dressing \$2.25

Connecticut Oysters served
on the half-shell \$6.80

Wisconsin Cheese
& Crackers \$3.45

Entrées

Catch of the Day. Your choice of
Kentucky spotted bass or **New Hampshire**
brook trout \$12.60

Rhode Island Red Hen
roasted with herbs \$11.85

Delaware Blue Hen
Chicken Pot Pie \$9.40

Maryland Blue Crabs steamed
with Old Bay seasoning \$10.50

Maine Lobster with
drawn butter \$14.20

Sandwiches & Pizza

Virginia Baked Ham Sandwich \$5.99

Peanut Butter and **North Carolina**
Honey Sandwich \$2.95

Philadelphia Cheesesteak, a
Pennsylvania favorite \$5.50

South Carolina Barbecue
Sandwich \$4.65

New York-Style Pizza 8 slices \$10.99

Sides

North Carolina Sweet Potato \$0.90

Massachusetts Corn Muffin \$1.25

New York Applesauce \$0.60

Idaho Potato Salad \$2.50

Iowa Corn-on-the-Cob \$0.70

Desserts

Georgia Peach Cobbler \$3.00

North Carolina Box Turtle Brownie \$2.30

Massachusetts Boston Cream Pie \$3.35

Beverages

State Soda. Your choice of **California**

Grape or **Georgia** Peach flavor \$1.00

Wisconsin Milk \$1.00

Florida Orange Juice \$1.75

Massachusetts Boston Tea Party—hot tea
with lemon for four people \$4.00

Let's Eat at George's!

DIRECTIONS:

Record what you will be ordering from "George's Place" and how much each item will cost. Then add the total cost for your meal. When everyone in your group has finished ordering, add all totals to make sure you have enough money. If you do, "*Buon Appetito!*" If not, you will need to rethink what you are ordering and try again.

Receipt

MY ORDER:

1. _____

Cost\$ _____

2. _____

Cost\$ _____

3. _____

Cost\$ _____

4. _____

Cost\$ _____

MY TOTAL:\$ _____

TOTAL COST OF MY GROUP'S MEAL:

Cost\$ _____

Did you have enough?

YES, how much? _____

NO, we'll have to do dishes!

Now solve these money story problems using the menu from "George's Place." (Show your work on scratch paper.)

1. How much money will you need to order Virginia baked ham sandwich, Idaho potato salad, and Georgia peach cobbler for dessert?

2. **PART 1:** You and three friends go to "George's Place" for breakfast. You each order pancakes with Vermont maple syrup. How much money will that cost?

PART 2: You brought \$10.25 each. How much change will you get back?

PART 3—CHALLENGE: You want to leave a 20% tip. How much will that be?

3. **PART 1:** Your soccer team stopped at "George's Place" for some pizza after the big game. A New York-style pizza has 8 slices. There are 15 of you and you each want 2 pieces. How many pizzas will you need to order?

PART 2: Each pizza costs \$10.99 and everyone orders a soda for \$1.00. How much will your meal cost?

4. Will there be any slices of pizza left over?

NO

YES, how many? _____