

Counting Money

Common Core Standard: 2.MD.C.8 – Count coins and bills and determine the total value.

A. GRADE LEVEL: 2nd–3rd Grade

B. SUBJECT: STEM/Mathematics

C. DATE: [Insert Date]

D. DURATION: 2 Days (1 hour/day)

E. LESSON FOCUS: Understanding how to count coins and bills to calculate total values and apply these skills in real-world contexts like shopping and budgeting.

F. MATERIALS:

- Real or play money (coins and bills).
- Money counting mats or templates.
- Small baskets or containers for "shopping."
- Price tags for classroom items.
- Paper and pencils.
- Calculators (optional, for advanced learners).

G. LESSON OBJECTIVES: By the end of the lesson, students will be able to:

1. Identify and count different coins and bills accurately.
2. Determine the total value of a set of coins and bills.
3. Apply money-counting skills in budgeting and shopping scenarios.

H. PROCEDURES:

1. INTRODUCTION:

- Begin by showing real coins and bills to the class. Ask students to name each and discuss their values.
- Briefly explain why knowing how to count money is essential in daily life (e.g., buying groceries or saving money).
- Write an example problem on the board, such as counting a mix of coins and bills, and solve it together.

2. EXPERIMENT:

Activity 1: Coin Sorting and Counting

- Divide students into small groups and provide them with a set of mixed coins.
- Ask each group to sort the coins by type and then count the total value of each type.

Activity 2: Classroom Shopping Simulation

- Set up a “store” with classroom items labeled with price tags.
- Provide each student with a set amount of play money.
- Students will select items to “purchase” and calculate the total cost of their items.

3. OBSERVATION:

- Have students compare their total values with their peers to check for consistency.
- Encourage them to discuss strategies they used for counting and verifying totals.

4. GENERALIZATION:

- Ask students to share what they learned about counting money and why it's important.
- Discuss how these skills apply to real-life scenarios, such as saving, spending wisely, and budgeting.

5. ASSESSMENT:

- Provide a worksheet with coin and bill counting problems to solve individually.

- Observe student performance during the shopping simulation.
- Exit ticket: Have students solve one final money-counting problem before leaving class.

Note 1: Safety

When using real or play money, ensure all materials are age-appropriate and hygienic. Avoid using small coins with younger children unsupervised, as they can pose a choking hazard. Reinforce responsible behavior, ensuring students do not put money in their mouths and clean hands after handling materials.

Note 2: Accommodations

For ELL students, provide visual aids (e.g., labeled images of coins and bills) and bilingual resources where possible. For ESE students, offer hands-on manipulatives, extended time, and one-on-one support as needed. Use large, clear print for students with visual impairments. For advanced learners, introduce challenges, such as calculating change or solving word problems involving money.