

# Project: Decimal Money Transaction

## Common Core Standard:

5.NBT.B.7 – Add and subtract decimals up to thousandths.

## Objective:

Students will apply their skills in adding and subtracting decimals through a hands-on money transaction activity, simulating real-world scenarios like shopping and calculating change.

## Materials:

- Sample money (coins and bills with decimal values)
- Decimal place value charts
- Calculators (optional)
- Worksheets with money transaction problems
- Paper and pencils
- Projector/Smart Board (for visual demonstrations)

## Safety Precautions:

- Ensure that students handle money props carefully to avoid any loss or damage.
- Remind students to work neatly and return all materials after the activity.

## Procedures:

### 1. Introduction (15 minutes):

Discuss with students how decimal addition and subtraction are used in real-life scenarios, such as shopping and managing money. Explain the importance of handling money and making accurate transactions.

### 2. Demonstration (15 minutes):

Demonstrate a sample money transaction on the board:

Example:

Item 1: \$3.45  
Item 2: \$2.99  
Total: \$6.44  
Amount Paid: \$10.00  
Change: \$3.56

Show how to align decimal points for addition and subtraction, explaining how to calculate the total cost and determine change.

### 3. Guided Practice (20 minutes):

In pairs, students will receive a set of mock items with decimal prices. They will "purchase" the items using play money and calculate the total cost, the amount paid, and the change they should receive.

Example problems:

- Total Cost: \$5.67  
Amount Paid: \$10.00  
Change: \_\_\_\_\_
  - Total Cost: \$7.89  
Amount Paid: \$20.00  
Change: \_\_\_\_\_
4. **Independent Practice (15 minutes):**  
Provide students with a worksheet containing several more money transaction problems. Students will independently calculate the total cost, amount paid and change for each problem.
5. **Wrap-Up and Class Discussion (10 minutes):**  
Have students share their results and discuss the importance of decimal operations in everyday life, particularly in financial transactions. Ask students to reflect on the experience and how it helps them understand decimals better.

**Assessment:**

- Observe students during the activity to ensure they are using correct decimal operations.
- Review the completed worksheets for accuracy in their calculations.
- Use a brief quiz or class exit ticket to assess individual understanding.

**Note: Clean-up**

- Collect all money props and worksheets.
- Ensure students return any materials to their proper places.