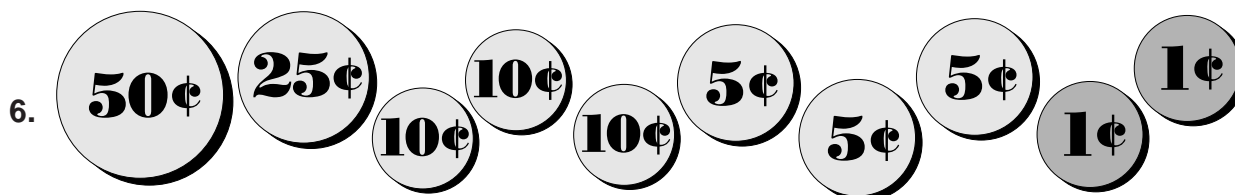
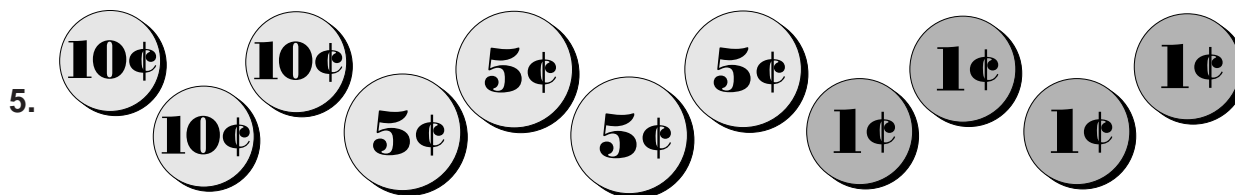
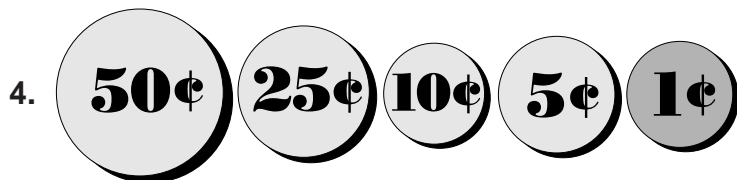
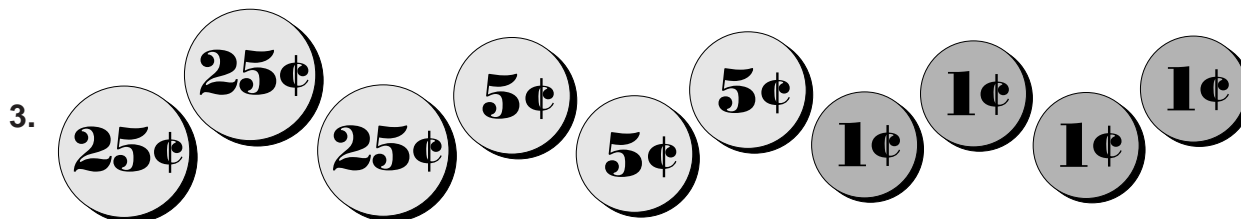
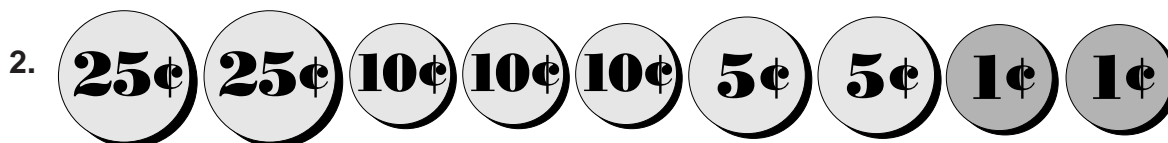
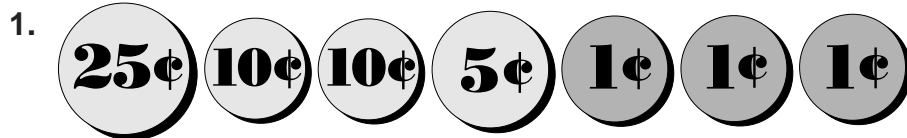


Making Cents

Name _____

Use your calculator to determine the total amount of money in each problem.



Thinking Cap

Can you have 66¢ with 6 coins? 5 coins? 4 coins? 3 coins? Show how.

TEACHER NOTES: *Making Cents*

Objective: To determine the value of a collection of coins.

Grade Level: 1-3

Topic: *Problem Solving*

Using the Activity:

This activity focuses on the use of the calculator to determine the value of a collection of coins. Students can be asked to determine the total value of the collection first without the calculator and then use the calculator to verify their answers. When entering the values of the coins, students can enter a quarter as either 25 or .25 depending on their understanding of the decimal notation for money. Students need to be consistent in how they enter the values. If one value is entered as a decimal, then all values must be in decimal form.

When entering money amounts in decimal form into the calculator, students need to understand that if .10 is entered, as soon as $\boxed{=}$ is pressed, the calculator will display the number as .1. If the decimal value of a set of coins ends in a zero, the calculator will eliminate ending zeroes to the right of the decimal point. This can be potentially confusing to students. It, however, provides an opportunity to introduce to students the ideas of equivalent decimals, that is $.1 = .10 = .100$.

Answer:

1. .53 2. .92 3. .94 4. .91 5. .54 6. 1.22

Thinking Cap

Students are presented with a problem involving the need to express an amount of money in a specified number of coins. Students apply the guess-and-check strategy for problem solving to find the solution. The calculator is used to total coin values.

Answer: 6 coins: 2 quarters, 3 nickels, 1 penny

5 coins: 2 quarters, 1 dime, 1 nickel, 1 penny

4 coins: 1 half dollar, 1 dime, 1 nickel, 1 penny

3 coins: not possible

Extension:

Use play money to act out the problems. Give students bags with collections of different coins in the bags. Have students determine the total value of each bag. Have them arrange the bags from least value to greatest value.