LESSON MAKER PRO

Coin Count Quest

Pay exact amounts with the fewest coins.

GRADE 4 · 4.N.4.1

4.N.4.1 "Select the fewest number of coins for a given amount of money up to one dollar."

NAME _____ DATE _____

CHOOSE COINS WISELY

A quarter is 25¢, a dime is 10¢, a nickel is 5¢, and a penny is 1¢. Choose the largest coin that fits, subtract its value, and repeat until 0¢ is left. Count the coins you used.

WORKED EXAMPLE

Make 71¢ using the fewest coins.

1. Use 2 quarters: 71¢ - 50¢ = 21¢.
2. Use 2 dimes: 21¢ - 20¢ = 1¢.
3. Use 1 penny: 1¢ - 1¢ = 0¢.

Answer: 5 coins: 2 quarters, 2 dimes, and 1 penny.

PRACTICE 6 problems

1 Make 35¢ using the fewest coins. Name the coins.

ANSWER _____

2 Make 42¢ using the fewest coins. Name the coins.

ANSWER _____

3 Make 63¢ using the fewest coins. Name the coins.

ANSWER _____

4 Make 78¢ using the fewest coins. Name the coins.

ANSWER _____

5 Make 91¢ using the fewest coins. Name the coins.

ANSWER _____

6 Make 99¢ using the fewest coins. Name the coins.

ANSWER _____

APPLY IT Show your work

1 At the school fair, a glow bracelet costs 54¢. You can use any number of quarters, dimes, nickels, and pennies. Which coins pay the exact price using the fewest coins?

WORK SPACE

ANSWER _____

2 A trading card at a game shop costs 86¢. You can use any number of quarters, dimes, nickels, and pennies. Which coins pay the exact price using the fewest coins?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Maya uses 2 quarters, 3 dimes, and 1 nickel to make 85¢. Find a way to make 85¢ with fewer coins. Explain why your way uses the fewest possible coins.

WORK SPACE AND ANSWER

ANSWER KEY

Coin Count Quest

GRADE 4 · 4.N.4.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Make 35¢ using the fewest coins. Name the coins.	**2 coins: 1 quarter and 1 dime.**
2	Make 42¢ using the fewest coins. Name the coins.	**5 coins: 1 quarter, 1 dime, 1 nickel, and 2 pennies.**
3	Make 63¢ using the fewest coins. Name the coins.	**6 coins: 2 quarters, 1 dime, and 3 pennies.**
4	Make 78¢ using the fewest coins. Name the coins.	**6 coins: 3 quarters and 3 pennies.**
5	Make 91¢ using the fewest coins. Name the coins.	**6 coins: 3 quarters, 1 dime, 1 nickel, and 1 penny.**
6	Make 99¢ using the fewest coins. Name the coins.	**9 coins: 3 quarters, 2 dimes, and 4 pennies.**

PART 2 · APPLY IT

1. **6 coins: 2 quarters and 4 pennies.** Two quarters make 50¢. Four pennies make the remaining 4¢.
2. **5 coins: 3 quarters, 1 dime, and 1 penny.** Three quarters make 75¢, leaving 11¢. One dime and one penny make 11¢.

CHALLENGE

Use 4 coins: 3 quarters and 1 dime. Three coins cannot make 85¢ because even 3 quarters, the largest coins, make only 75¢.

Accept coins listed in any order. Each answer must name the coins and use the fewest possible.