

Coin Counting Quest

Count coins and bills up to \$2.00.

GRADE 2 • 2.NS.4

2.NS.4 "The student will solve problems that involve counting and representing money amounts up to \$2.00. Identify a quarter and its value and determine multiple ways to represent the value of a quarter using pennies, nickels, and/or dimes..."

NAME _____

DATE _____

COUNT THE VALUE

Count the coins worth the most first. Then add the coin values, and write the total with ¢ or with \$ and a decimal point.

WORKED EXAMPLE

A snack jar has 2 dimes and 4 pennies. How much money is in the jar?

1. 2 dimes = 20¢.

2. 4 pennies = 4¢.

3. $20¢ + 4¢ = 24¢$.

4. $24¢ = \$0.24$.

Answer: 24¢, or \$0.24

PRACTICE 5 problems

- 1** At a game booth, a prize costs 25¢. Which coin has this value: a nickel, a dime, or a quarter?

ANSWER _____

- 2** Tara wants to make 25¢ for a toy car. Write two different sets of coins she can use.

ANSWER _____

- 3** A pet jar has 3 nickels and 6 pennies. Write the value in cents and dollars.

ANSWER _____

- 4** A book fair wallet has 1 one-dollar bill, 3 dimes, and 5 pennies. Write the value in cents and dollars.

ANSWER _____

- 5** Leo needs 45¢ for a snack. Write one set of pennies, nickels, and/or dimes that totals 45¢.

ANSWER _____

APPLY IT Show your work

- 1** At the arcade, Jada has 1 one-dollar bill, 3 quarters, and 2 dimes. How much money does she have? Write the amount in cents and dollars.

WORK SPACE

ANSWER _____

- 2** Owen has 3 quarters to buy a small notebook that costs 80¢. What coin can he add to have exactly 80¢?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A class prize jar has 1 one-dollar bill, 3 quarters, 2 dimes, and 4 pennies. Is the amount more or less than \$2.00? Write the amount in cents and dollars. Explain your reasoning.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	At a game booth, a prize costs 25¢. Which coin has this value: a nickel, a dime, or a quarter?	a quarter
2	Tara wants to make 25¢ for a toy car. Write two different sets of coins she can use.	25 pennies; 2 dimes and 1 nickel
3	A pet jar has 3 nickels and 6 pennies. Write the value in cents and dollars.	21¢, or \$0.21
4	A book fair wallet has 1 one-dollar bill, 3 dimes, and 5 pennies. Write the value in cents and dollars.	135¢, or \$1.35
5	Leo needs 45¢ for a snack. Write one set of pennies, nickels, and/or dimes that totals 45¢.	4 dimes and 1 nickel

PART 2 • APPLY IT

- 1. 195¢, or \$1.95** The bill is 100¢, the quarters are 75¢, and the dimes are 20¢. $100¢ + 75¢ + 20¢ = 195¢ = \1.95 .
- 2. 1 nickel** Three quarters are 75¢. Owen needs 5¢ more, so he adds 1 nickel.

CHALLENGE

Less than \$2.00. The jar has 199¢, or \$1.99. $100¢ + 75¢ + 20¢ + 4¢ = 199¢$.

For items that ask for both forms, accept both the cent form and the dollar-decimal form. For the coin-building item, accept any combination of pennies, nickels, and dimes that totals 45¢.