LESSON MAKER PRO

Coin Count Quest

Add coins and use dollars and cents.

GRADE 2 · 2.MDR.6.2

2.MDR.6.2 "Find the value of a group of coins and determine combinations of coins that equal a given amount that is less than one hundred cents, and solve problems involving dollar bills, quarters, dimes, nickels, and pennies..."

NAME _____ DATE _____

COUNT COIN VALUES

A quarter is 25¢, a dime is 10¢, a nickel is 5¢, and a penny is 1¢. Add the value of each coin to find the total, and use ¢ for amounts less than one dollar.

WORKED EXAMPLE

A pencil costs 34¢. It is paid for with 3 dimes and 4 pennies. What is the total value?

1. 3 dimes = 30¢.
2. 4 pennies = 4¢.
3. 30¢ + 4¢ = 34¢.

Answer: 34¢

PRACTICE 5 problems

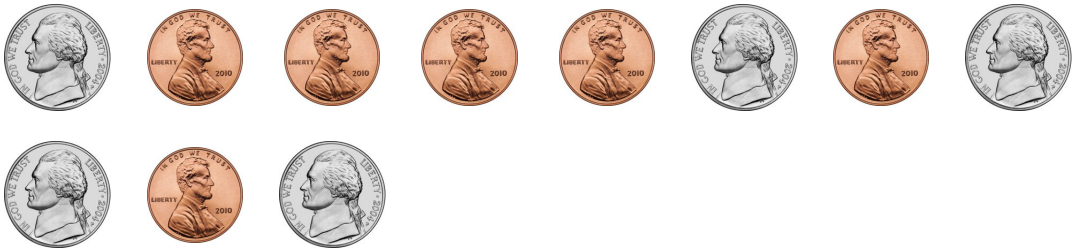
1 A toy car has the pictured coins taped to it. What is the value of the coins?



United States Mint image

ANSWER _____

2 A pet bank has the pictured coins. What is the value of the coins?



United States Mint image

ANSWER _____

_____

3 A robot costs 47¢. Use 1 quarter and 2 dimes. How many pennies do you need?

ANSWER _____

4 A sticker book costs $1.50. You pay with 1 $1 bill and some quarters. How many quarters do you use?

ANSWER _____

5 A game prize has 5 dimes, 1 nickel, and 2 pennies. What is the value of the coins?

ANSWER _____

APPLY IT Show your work

1 At a school carnival, a game costs 65¢. Noor has 2 quarters, 1 dime, and 1 nickel. Does Noor have enough money? How much money does Noor have?

WORK SPACE

ANSWER

2 A comic costs $1.45. Sam has 1 $1 bill, 1 quarter, and 2 dimes. Can Sam buy the comic? What amount will be left?

WORK SPACE

ANSWER

CHALLENGE One step up

A puzzle costs 72¢. Use the fewest coins to pay the exact amount. Tell how you know your group uses the fewest coins.

WORK SPACE AND ANSWER

ANSWER KEY

Coin Count Quest

GRADE 2 · 2.MDR.6.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A toy car has the pictured coins taped to it. What is the value of the coins?	**60¢**
2	A pet bank has the pictured coins. What is the value of the coins?	**31¢**
3	A robot costs 47¢. Use 1 quarter and 2 dimes. How many pennies do you need?	**2 pennies**
4	A sticker book costs $1.50. You pay with 1 $1 bill and some quarters. How many quarters do you use?	**2 quarters**
5	A game prize has 5 dimes, 1 nickel, and 2 pennies. What is the value of the coins?	**57¢**

PART 2 · APPLY IT

1. **Yes, Noor has 65¢.** Two quarters are 50¢. Add 10¢ and 5¢ to get 65¢, which is the cost of the game.
2. **Yes, Sam can buy the comic. $0.00 will be left.** The $1 bill, quarter, and 2 dimes total $1.45. Sam pays the exact cost.

CHALLENGE

2 quarters, 2 dimes, and 2 pennies, for 6 coins. Two quarters and two dimes make 70¢, so 2 pennies make 72¢. Five coins cannot make 72¢ exactly.

Accept equivalent wording for coin combinations when the total is correct. For money less than one dollar, accept forms such as 60¢, but not $60.