LESSON MAKER PRO

Quarter Coin Power

Make 25 cents in different ways.

GRADE 2 · 2.NS.4.a

2.NS.4.a "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 _____

QUARTER VALUE

A quarter is a coin worth 25 cents. A penny is worth 1 cent, a nickel is worth 5 cents, and a dime is worth 10 cents. You can make 25 cents with different groups of coins.

WORKED EXAMPLE

A small toy costs 25 cents. Can 2 dimes and 1 nickel pay for it?

1. 2 dimes are worth 20 cents.
2. 1 nickel is worth 5 cents.
3. 20 cents + 5 cents = 25 cents.
4. The coins pay for the toy exactly.

Answer: Yes, 2 dimes and 1 nickel are worth 25 cents.

PRACTICE 5 problems

1 Name the pictured coin and write its value in cents.



United States Mint image

ANSWER _____

2 Nia puts 25 pennies in her piggy bank. This is the same value as how many quarters?

ANSWER _____

3 A puppy tag costs a quarter. Omar has the pictured coins. Can he pay exactly? Write yes or no.



United States Mint image

ANSWER _____

4 Leo has the pictured coins for a toy. Does he have exactly 25 cents? Write yes or no.



United States Mint image

ANSWER _____

5 A sticker costs 25 cents. Write a way to pay using 2 dimes and pennies.

ANSWER _____

APPLY IT Show your work

1 At the craft table, a bead costs 25 cents. Ravi has 4 nickels and 5 pennies. Can he buy the bead?

WORK SPACE

ANSWER

2 At the game booth, a prize costs a quarter. Zoe puts down 2 nickels. How many more nickels does she need to pay 25 cents?

WORK SPACE

ANSWER

CHALLENGE One step up

Maya has 4 coins. All of her coins are nickels or dimes. They are worth exactly 25 cents. What coins does Maya have? Explain how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Quarter Coin Power

GRADE 2 · 2.NS.4.a

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Name the pictured coin and write its value in cents.	**Quarter; 25 cents.**
2	Nia puts 25 pennies in her piggy bank. This is the same value as how many quarters?	**1 quarter**
3	A puppy tag costs a quarter. Omar has the pictured coins. Can he pay exactly? Write yes or no.	**Yes**
4	Leo has the pictured coins for a toy. Does he have exactly 25 cents? Write yes or no.	**Yes**
5	A sticker costs 25 cents. Write a way to pay using 2 dimes and pennies.	**2 dimes and 5 pennies**

PART 2 · APPLY IT

1. **Yes, Ravi can buy the bead.** Four nickels are worth 20 cents. Five pennies are worth 5 cents, so 20 cents + 5 cents = 25 cents.
2. **3 more nickels** Two nickels are worth 10 cents. Zoe needs 15 more cents, and 15 cents is 3 nickels.

CHALLENGE

1 dime and 3 nickels. A dime is 10 cents and 3 nickels are 15 cents, so 10 cents + 15 cents = 25 cents.

Accept coin groups in any order when they total 25 cents. For the challenge, accept an answer only if it names 1 dime and 3 nickels and gives a correct value explanation.