

Quarter Coin Quest

Practice ways to make 25 cents.

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 worth 25 cents. A dime is worth 10 cents, a nickel is worth 5 cents, and a penny is worth 1 cent. Add coin values to see if they make 25 cents.

WORKED EXAMPLE

Kai wants to show the value of a quarter with 3 nickels and 10 pennies. How much money is that?

1. 3 nickels = 15 cents.
2. 10 pennies = 10 cents.
3. 15 cents + 10 cents = 25 cents.
4. 25 cents = 1 quarter.

Answer: 25 cents, or 1 quarter

PRACTICE 5 problems

- 1** A robot ride costs 25 cents. Which coin can pay exactly?

ANSWER _____

- 2** Nia has 2 dimes and 1 nickel for a sticker. How many cents does she have?

ANSWER _____

- 3** Omar has 4 nickels and 5 pennies for a toy. Does he have the same value as a quarter?

ANSWER _____

- 4** A snack costs 25 cents. Lee has 1 dime and 15 pennies. Does Lee have enough money?

ANSWER _____

- 5** A quarter is in Jo's piggy bank. What is its value in cents?

ANSWER _____

APPLY IT Show your work

- 1** At the school store, a pencil topper costs 25 cents. Ava has 2 nickels and 15 pennies. Can she pay exactly for the pencil topper?

WORK SPACE

ANSWER _____

- 2** At the petting zoo, a cup of goat food costs 25 cents. Ben has 1 nickel and 20 pennies. Can he buy the cup?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Jada says that 2 dimes and 4 pennies equal a quarter. Is Jada right? Explain your reasoning.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A robot ride costs 25 cents. Which coin can pay exactly?	1 quarter
2	Nia has 2 dimes and 1 nickel for a sticker. How many cents does she have?	25 cents
3	Omar has 4 nickels and 5 pennies for a toy. Does he have the same value as a quarter?	Yes, 25 cents.
4	A snack costs 25 cents. Lee has 1 dime and 15 pennies. Does Lee have enough money?	Yes, 25 cents.
5	A quarter is in Jo's piggy bank. What is its value in cents?	25 cents

PART 2 • APPLY IT

1. **Yes, she has 25 cents.** Two nickels are worth 10 cents. Then 10 cents plus 15 pennies equals 25 cents.
2. **Yes, he has 25 cents.** One nickel is worth 5 cents. Five cents plus 20 pennies equals 25 cents.

CHALLENGE

No. 2 dimes and 4 pennies equal 24 cents, so Jada needs 1 more penny.

Accept equivalent wording such as "one quarter" for 25 cents. For the challenge, accept an explanation that shows the coins total 24 cents and need one more penny.