LESSON MAKER PRO

Money Mix Builder

Build exact amounts with bills and coins.

GRADE 3 · 3.NS.4.b

3.NS.4.b "Construct a set of bills and coins to total a given amount of money whose value is $5.00 or less."

NAME _____ DATE _____

BUILD AN EXACT TOTAL

Start with dollar bills, then add coins to make the cents. Add the values of all the bills and coins to check that your total is exact.

WORKED EXAMPLE

Make $2.37 using bills and coins.

1. Use 2 one-dollar bills: $2.00.
2. Add 1 quarter: $2.25.
3. Add 1 dime: $2.35.
4. Add 2 pennies: $2.37.

Answer: 2 one-dollar bills, 1 quarter, 1 dime, and 2 pennies

PRACTICE 6 problems

1 Write one set of bills and coins that totals $0.68.

ANSWER _____

2 Write one set of bills and coins that totals $1.45.

ANSWER _____

3 Write one set of bills and coins that totals $2.30.

ANSWER _____

4 Write one set of bills and coins that totals $3.75.

ANSWER _____

5 Write one set of bills and coins that totals $4.06.

ANSWER _____

6 Write one set of bills and coins that totals $0.99.

ANSWER _____

APPLY IT Show your work

1 At the book fair, Lena wants to pay exactly $3.48 for a new book. What bills and coins can she use?

WORK SPACE

ANSWER _____

2 Noah buys a trading card for $1.72. He wants to pay the exact price. What bills and coins can he use?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Construct $3.00 using exactly 8 bills and coins. Use at least 3 different types of coins. Explain by writing an addition equation.

WORK SPACE AND ANSWER

ANSWER KEY

Money Mix Builder

GRADE 3 · 3.NS.4.b

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write one set of bills and coins that totals $0.68.	**2 quarters, 1 dime, 1 nickel, and 3 pennies**
2	Write one set of bills and coins that totals $1.45.	**1 one-dollar bill, 1 quarter, and 2 dimes**
3	Write one set of bills and coins that totals $2.30.	**2 one-dollar bills, 1 quarter, and 1 nickel**
4	Write one set of bills and coins that totals $3.75.	**3 one-dollar bills and 3 quarters**
5	Write one set of bills and coins that totals $4.06.	**4 one-dollar bills, 1 nickel, and 1 penny**
6	Write one set of bills and coins that totals $0.99.	**3 quarters, 2 dimes, and 4 pennies**

PART 2 · APPLY IT

1. **3 one-dollar bills, 1 quarter, 2 dimes, and 3 pennies** Use 3 one-dollar bills to make $3.00. Then add $0.25, $0.20, and $0.03 to make $3.48.
2. **1 one-dollar bill, 2 quarters, 2 dimes, and 2 pennies** Use 1 one-dollar bill to make $1.00. Then add $0.50, $0.20, and $0.02 to make $1.72.

CHALLENGE

2 one-dollar bills, 3 quarters, 2 dimes, and 1 nickel. $2.00 + $0.75 + $0.20 + $0.05 = $3.00.

Accept any combination of standard U.S. bills and coins that totals the stated amount. For the challenge, the set must have exactly 8 pieces and include at least 3 different coin types.