

Money Mix

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 THE TOTAL

To make an amount, begin with dollar bills for the dollars. Then add coins for the cents, and check that all the values add to the target amount.

WORKED EXAMPLE

Make \$4.35 using bills and coins.

1. 4 one-dollar bills = \$4.00
2. 3 dimes = \$0.30, so the total is \$4.30.
3. 1 nickel = \$0.05, so the total is \$4.35.

Answer: 4 one-dollar bills, 3 dimes, and 1 nickel

PRACTICE 6 problems

1 Make \$0.87 using coins. Write one way.

ANSWER _____

2 Make \$1.46 using bills and coins. Write one way.

ANSWER _____

3 Make \$2.18 using bills and coins. Write one way.

ANSWER _____

4 Make \$3.70 using bills and coins. Write one way.

ANSWER _____

5 Make \$4.09 using bills and coins. Write one way.

ANSWER _____

6 Make \$2.55 using bills and coins. Write one way.

ANSWER _____

APPLY IT Show your work

- 1** Maya wants a \$1.32 pack of trading cards. What bills and coins can she use to pay the exact cost?

WORK SPACE

ANSWER _____

- 2** A game booth prize costs \$4.60. What bills and coins can Jalen use to pay the exact cost?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Make \$3.85 using exactly 9 bills and coins. Write the bills and coins you use.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Make \$0.87 using coins. Write one way.	3 quarters, 1 dime, and 2 pennies
2	Make \$1.46 using bills and coins. Write one way.	1 one-dollar bill, 4 dimes, 1 nickel, and 1 penny
3	Make \$2.18 using bills and coins. Write one way.	2 one-dollar bills, 1 dime, 1 nickel, and 3 pennies
4	Make \$3.70 using bills and coins. Write one way.	3 one-dollar bills, 2 quarters, and 2 dimes
5	Make \$4.09 using bills and coins. Write one way.	4 one-dollar bills, 1 nickel, and 4 pennies
6	Make \$2.55 using bills and coins. Write one way.	2 one-dollar bills, 2 quarters, and 1 nickel

PART 2 • APPLY IT

- 1 one-dollar bill, 3 dimes, and 2 pennies** Use 1 one-dollar bill for \$1.00. Then 3 dimes and 2 pennies make the remaining \$0.32.
- 4 one-dollar bills, 2 quarters, and 1 dime** Four one-dollar bills make \$4.00. Two quarters and one dime make \$0.60.

CHALLENGE

3 one-dollar bills, 2 quarters, 3 dimes, and 1 nickel

Accept any combination of standard U.S. bills and coins that totals the stated amount. For the challenge, the combination must total \$3.85 and contain exactly 9 pieces.