

Name \_\_\_\_\_

## Make Change

**Essential Question** How can you make change by counting on?



Justin buys a leash for his dog for \$3.59. He pays with a \$5 bill. How much change should he get?

**Change** is the money you get back if you have paid for an item with coins or bills that have a value greater than the cost of the item.

### **Activity 1** Make change from \$5.00.

**Materials** ■ play money

**STEP 1** Start with the cost of the item. Count up with coins and bills to the amount paid.



• What is the cost of the leash?

• What is the amount paid?

• Why does Justin get change?

cost of item



\$3.59 → \$3.60 → \_\_\_\_\_ → \_\_\_\_\_ → \_\_\_\_\_ → \_\_\_\_\_ ← amount paid

**STEP 2** Count the value of the bills and coins received.

### **Math Talk**

In Step 1, why might you start counting up with 1 penny?



\$1.00 → \_\_\_\_\_ → \_\_\_\_\_ → \_\_\_\_\_ → \$1.41

So, Justin should get \_\_\_\_\_ in change.



Name \_\_\_\_\_

## On Your Own .....


Find the amount of change.

- |  |   |
|--|---|
| 4. Ben buys a carton of milk for \$1.18. He pays with two \$1 bills.<br><br>_____      | 5. Kelly buys a book for \$3.09. She pays with a \$5 bill.<br><br>_____         |
| 6. Isaac buys a package of bird seed for \$4.25. He pays with a \$5 bill.<br><br>_____ | 7. Eva buys a key chain for \$2.76. She pays with three \$1 bills.<br><br>_____ |

8. **Algebra** Complete the table.

|          |        |        |   |   |   |   |        |   |
|----------|--------|--------|---|---|---|---|--------|---|
| Quarters | 1      | 2      | 3 | 4 | 5 | 6 | 7      | 8 |
| Value    | \$0.25 | \$0.50 |   |   |   |   | \$1.75 |   |

## Problem Solving REAL WORLD

9.  Melissa bought dog treats. She paid with a \$5 bill. She got 2 quarters, 2 dimes, and 3 pennies in change. How much did the dog treats cost?
- \_\_\_\_\_

Use the pictures for 10–12.

- |   |   |
|---|---|
| 10. Vijay buys a can of tennis balls. He pays with a \$5 bill. How much change should he receive?<br><br>_____              | 12. Trevor bought a baseball cap. His change was one \$1 bill and 1 penny. How much money did Trevor give the cashier?<br><br>_____ |
| 11. Sigrid buys swim goggles. She pays with four \$1 bills and 4 quarters. How much change should she receive?<br><br>_____ |   |



13. **Write Math** Karen buys a jump rope for \$3.33. She pays with a \$5 bill. How much is Karen's change? What bills and coins does she get? **Explain** your answer.

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14. **★ Test Prep** Sean buys lunch for \$4.27. He pays with a \$5 bill. How much change should Sean get?

- (A) \$0.73  
(B) \$0.75  
(C) \$0.81  
(D) \$0.83

## Connect to Social Studies

### National Parks

In 2010, the U.S. Mint began releasing quarters with national parks and other national sites appearing on the reverse side (tails). Five such America the Beautiful Quarters will be released each year through 2021. A national site from each state will be featured. The table shows the five national sites on 2010 quarters.

15. If you collect one of each of the America the Beautiful Quarters designs for 2010, how much money will you have? \_\_\_\_\_
16. Violet paid the park entrance fee with a \$5 bill. She got 6 quarters in change. What was the entrance fee? \_\_\_\_\_
17. Tim has 8 quarters. He wants to buy a park map for \$2.25. Does Tim have enough money to buy the map? **Explain**.



▲ Grand Canyon National Park

### 2010 America the Beautiful Quarters

| National Site              | State      |
|----------------------------|------------|
| Hot Springs National Park  | Arkansas   |
| Yellowstone National Park  | Wyoming    |
| Yosemite National Park     | California |
| Grand Canyon National Park | Arizona    |
| Mt. Hood National Forest   | Oregon     |