

Name \_\_\_\_\_

## Relate Fractions, Decimals, and Money

**COMMON CORE STANDARD** CC.4.NF.6

Understand decimal notation for fractions, and compare decimal fractions.

Write the total money amount. Then write the amount as a fraction or a mixed number and as a decimal in terms of dollars.

1.



\$0.18;  $\frac{18}{100}$ ; 0.18

2.



Write as a money amount and as a decimal in terms of dollars.

3.  $\frac{25}{100}$

4.  $\frac{79}{100}$

5.  $\frac{31}{100}$

6.  $\frac{8}{100}$

7.  $\frac{42}{100}$

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Write the money amount as a fraction in terms of dollars.

8. \$0.87

9. \$0.03

10. \$0.66

11. \$0.95

12. \$1.00

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Write the total money amount. Then write the amount as a fraction and as a decimal in terms of dollars.

13. 2 quarters 2 dimes

14. 3 dimes 4 pennies

15. 8 nickels 12 pennies

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### Problem Solving



16. Kate has 1 dime, 4 nickels, and 8 pennies. Write Kate's total amount as a fraction in terms of a dollar.

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17. Nolan says he has  $\frac{75}{100}$  of a dollar. If he only has 3 coins, what are the coins?

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**Lesson Check** (CC.4.NF.6)

1. Which of the following names the total money amount shown as a fraction in terms of a dollar?



- (A)  $\frac{43}{1}$                       (C)  $\frac{43}{57}$   
 (B)  $\frac{43}{10}$                       (D)  $\frac{43}{100}$

2. Crystal has  $\frac{81}{100}$  of a dollar. Which of the following could be the coins Crystal has?

- (A) 3 quarters, 1 dime, 1 penny  
 (B) 2 quarters, 6 nickels, 1 penny  
 (C) 2 quarters, 21 pennies  
 (D) 1 quarter, 4 dimes, 1 nickel, 1 penny

**Spiral Review** (CC.4.NF.1, CC.4.NF.6)

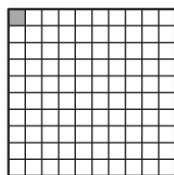
3. Joel gives  $\frac{1}{3}$  of his baseball cards to his sister. Which fraction is equivalent to  $\frac{1}{3}$ ? (Lesson 6.2)

- (A)  $\frac{3}{5}$                       (C)  $\frac{8}{9}$   
 (B)  $\frac{2}{6}$                       (D)  $\frac{4}{10}$

4. Penelope bakes pretzels. She salts  $\frac{3}{8}$  of the pretzels. Which fraction is equivalent to  $\frac{3}{8}$ ? (Lesson 6.2)

- (A)  $\frac{9}{24}$                       (C)  $\frac{3}{16}$   
 (B)  $\frac{15}{20}$                       (D)  $\frac{1}{5}$

5. Which decimal is shown by the model? (Lesson 9.2)



- (A) 10.0                      (C) 0.1  
 (B) 1.0                      (D) 0.01

6. Mr. Guzman has 100 cows on his dairy farm. Of the cows, 57 are Holstein. What decimal represents the portion of cows that are Holstein? (Lesson 9.2)

- (A) 0.43  
 (B) 0.57  
 (C) 5.7  
 (D) 57.0