Name _____

Problem Solving • Money

COMMON CORE STANDARD—4.MD.2
Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.

Use the *act it out* strategy to solve.

1. Carl wants to buy a bicycle bell that costs $4.50. Carl has saved $2.75 so far. How much more money does he need to buy the bell?

Use 4 $1 bills and 2 quarters to model $4.50. Remove bills and coins that have a value of $2.75. First, remove 2 $1 bills and 2 quarters.

Next, exchange one $1 bill for 4 quarters and remove 1 quarter.

Count the amount that is left.
So, Carl needs to save $1.75 more.

$1.75

2. Together, Xavier, Yolanda, and Zachary have $4.44. If each person has the same amount, how much money does each person have?

_____

3. Marcus, Nan, and Olive each have $1.65 in their pockets. They decide to combine the money. How much money do they have altogether?

_____

4. Jessie saves $6 each week. In how many weeks will she have saved at least $50?

_____

5. Becca has $12 more than Cece. Dave has $3 less than Cece. Cece has $10. How much money do they have altogether?

_____

Lesson Check (4.MD.2)

1. Four friends earned $5.20 for washing a car. They shared the money equally. How much did each friend get?

2. Write a decimal that represents the value of one $1 bill and 5 quarters.

Spiral Review (4.OA.4, 4.NF.1, 4.NF.2, 4.NF.6)

3. Bethany has 9 pennies. What fraction of a dollar is this?

4. Michael made $\frac{9}{12}$ of his free throws at practice. What is $\frac{9}{12}$ in simplest form?

5. I am a prime number between 30 and 40. What number could I be?

6. Fill in the blank with a symbol that makes this statement true:

$\frac{2}{5} \bigcirc \frac{1}{2}$

Name _____

Add Fractional Parts of 10 and 100

COMMON CORE STANDARD—4.NF.5
Understand decimal notation for fractions, and compare decimal fractions.

Find the sum.

1. $\frac{2}{10} + \frac{43}{100}$

$\frac{20}{100} + \frac{43}{100} = \frac{63}{100}$

$\frac{63}{100}$

Think: Write $\frac{2}{10}$ as a fraction with a denominator of 100:

$\frac{2 \times 10}{10 \times 10} \times \frac{20}{100}$

2. $\frac{17}{100} + \frac{6}{10}$

3. $\frac{9}{100} + \frac{9}{10}$

4. $\frac{7}{10} + \frac{23}{100}$

5. $0.48 + $0.30

6. $0.25 + $0.34

7. $0.66 + $0.06

Problem Solving Real World

8. Ned's frog jumped $\frac{38}{100}$ meter. Then his frog jumped $\frac{4}{10}$ meter. How far did Ned's frog jump?

9. Keiko walks $\frac{5}{10}$ kilometer from school to the park. Then she walks $\frac{19}{100}$ kilometer from the park to her home. How far does Keiko walk?

Lesson Check (4.NF.5)

1. In a fish tank, $\frac{2}{10}$ of the fish were orange and $\frac{5}{100}$ of the fish were striped. What fraction of the fish were orange or striped?

2. Greg spends \$0.45 on an eraser and \$0.30 on a pen. How much money does Greg spend?

Spiral Review (4.NF.1, 4.NF.3d, 4.MD.2)

3. Phillip saves \$8 each month. How many months will it take him to save at least \$60?

4. Ursula and Yi share a submarine sandwich. Ursula eats $\frac{2}{8}$ of the sandwich. Yi eats $\frac{3}{8}$ of the sandwich. How much of the sandwich do the two friends eat?

5. A carpenter has a board that is 8 feet long. He cuts off two pieces. One piece is $3\frac{1}{2}$ feet long and the other is $2\frac{1}{3}$ feet long. How much of the board is left?

6. Jeff drinks $\frac{2}{3}$ of a glass of juice. Write a fraction that is equivalent to $\frac{2}{3}$.

Name _____

Compare Decimals

COMMON CORE STANDARDS—4.NF.7
Understand decimal notation for fractions, and compare decimal fractions.

Compare. Write <, >, or =.

1. 0.35 (<) 0.53

Think: 3 tenths is less than 5 tenths.
So, 0.35 < 0.53

2. 0.6 ( ) 0.60

3. 0.24 ( ) 0.31

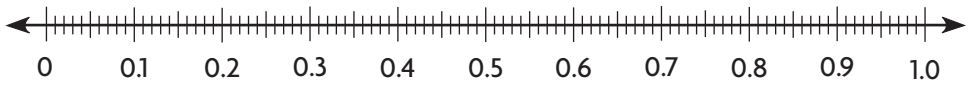
4. 0.94 ( ) 0.9

5. 0.3 ( ) 0.32

6. 0.45 ( ) 0.28

7. 0.39 ( ) 0.93

Use the number line to compare. Write *true* or *false*.



8. 0.8 > 0.78 _____

9. 0.4 > 0.84 _____

10. 0.7 < 0.70 _____

11. 0.4 > 0.04 _____

Compare. Write *true* or *false*.

12. 0.09 > 0.1 _____

13. 0.24 = 0.42 _____

14. 0.17 < 0.32 _____

15. 0.85 > 0.82 _____

Problem Solving Real World

16. Kelly walks 0.7 mile to school. Mary walks 0.49 mile to school. Write an inequality using <, >, or = to compare the distances they walk to school.

_____

17. Tyrone shades two decimal grids. He shades 0.03 of the squares on one grid blue. He shades 0.3 of another grid red. Which grid has the greater part shaded?

_____

Lesson Check (4.NF.7)

1. Bob, Cal, and Pete each made a stack of baseball cards. Bob's stack was 0.2 meter high. Cal's stack was 0.24 meter high. Pete's stack was 0.18 meter high. Write a number sentence that compares Cal's stack of cards to Pete's stack of cards.

2. Three classmates spent money at the school supplies store. Mark spent 0.5 dollar, Andre spent 0.45 dollar, and Raquel spent 0.52 dollar. Write a number sentence that compares the money Andre spent to the money that Mark spent.

Spiral Review (4.NF.3c, 4.NF.4c, 4.NF.5)

3. Pedro has \$0.35 in his pocket. Alice has \$0.40 in her pocket. How much money do Pedro and Alice have altogether?

4. The measure 62 centimeters is equivalent to $\frac{62}{100}$ meter. What is this measure written as a decimal?

5. Joel has 24 sports trophies. Of the trophies, $\frac{1}{8}$ are soccer trophies. How many soccer trophies does Joel have?

6. Molly's jump rope is $6\frac{1}{3}$ feet long. Gail's jump rope is $4\frac{2}{3}$ feet long. How much longer is Molly's jump rope?