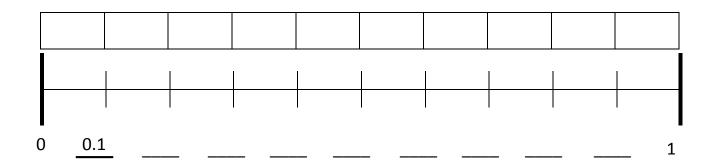
Name	Date	同的效果

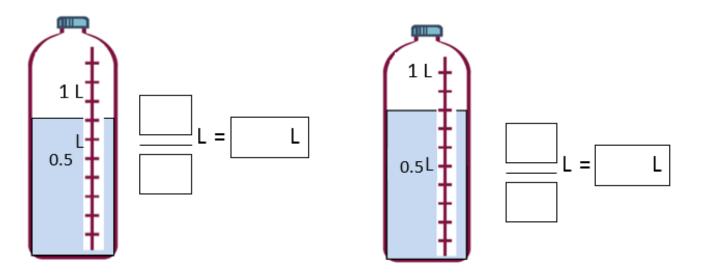
1. Shade the first 4 units of the tape diagram.

Count by tenths to label the number line using a fraction and a decimal for each point.

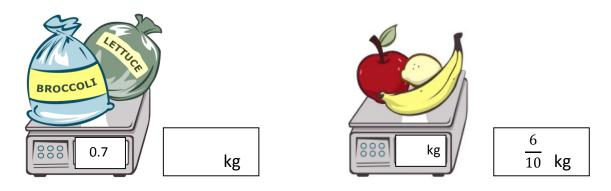
Circle the decimal that represents the shaded part.



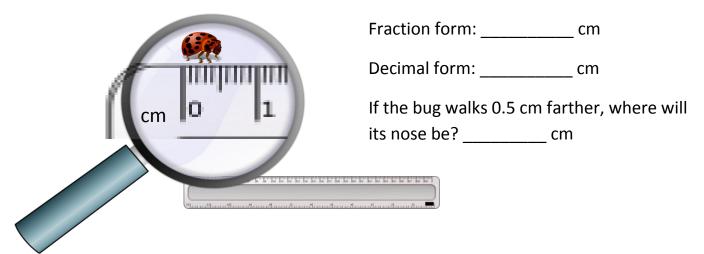
2. Write the total amount of water in fraction form and decimal form.



3. Write the total weight of the food on each scale in fraction form or decimal form.



4. Write the length of the bug in centimeters. (Drawing is not to scale.)



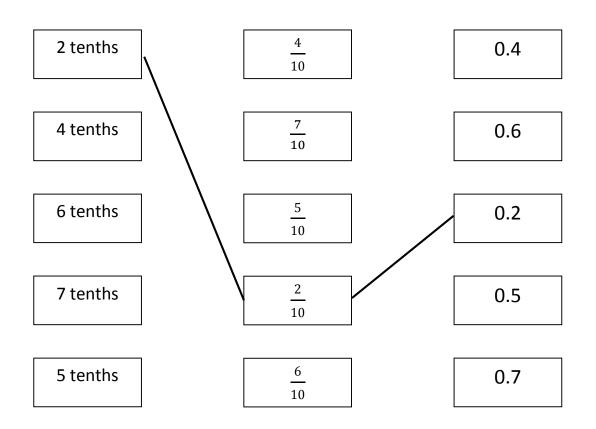
Fill in the blank to make the sentence true in both fraction and decimal form.

a.
$$\frac{4}{10}$$
 cm + ____ cm = 1 cm

b.
$$\frac{3}{10}$$
 cm + ____ cm = 1 cm

c.
$$\frac{8}{10}$$
 cm + ____ cm = 1 cm

6. Match each amount expressed in unit form to its equivalent fraction and decimal.



Name ______ Date _____



1. Write each decimal as a mixed number.

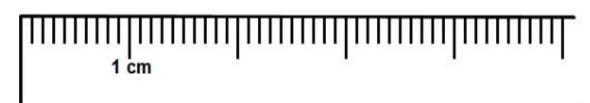
Put an arrow where the number is found on the ruler.

(The centimeter ruler is not to scale.)

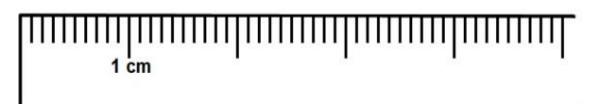
a. 2.6 cm = ____



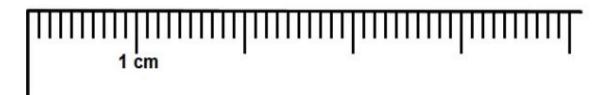
b. 3.5 cm =



d. 1.7 cm = ____

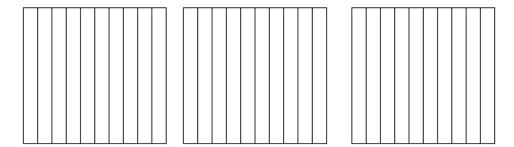


e. 4.3 cm = _____

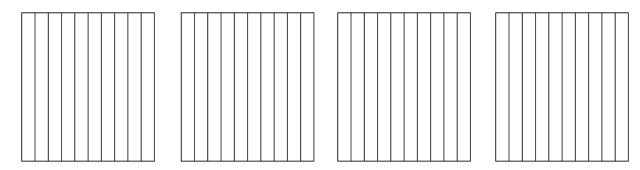


2. Write the following as a mixed number and/or a decimal. Shade the models to show each number.

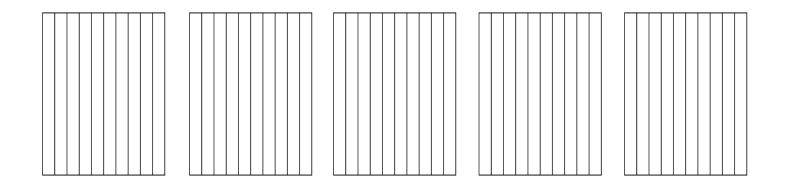
a. 2 ones and 6 tenths = _____ = ____

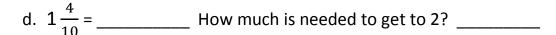


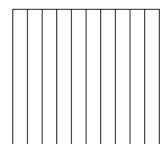
b. 3 ones and 8 tenths = ____ = ____

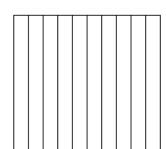


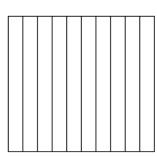
c. $4\frac{1}{10} =$ _____



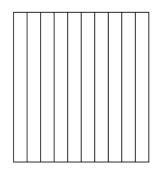


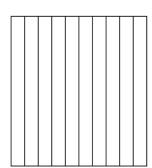


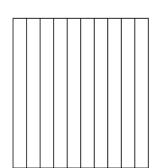


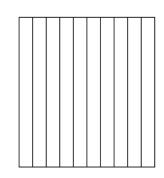


e.
$$\frac{33}{10}$$
 = _____ How much is needed to get to 4? _____

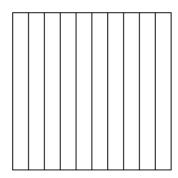


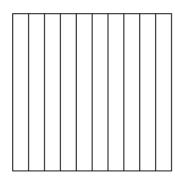






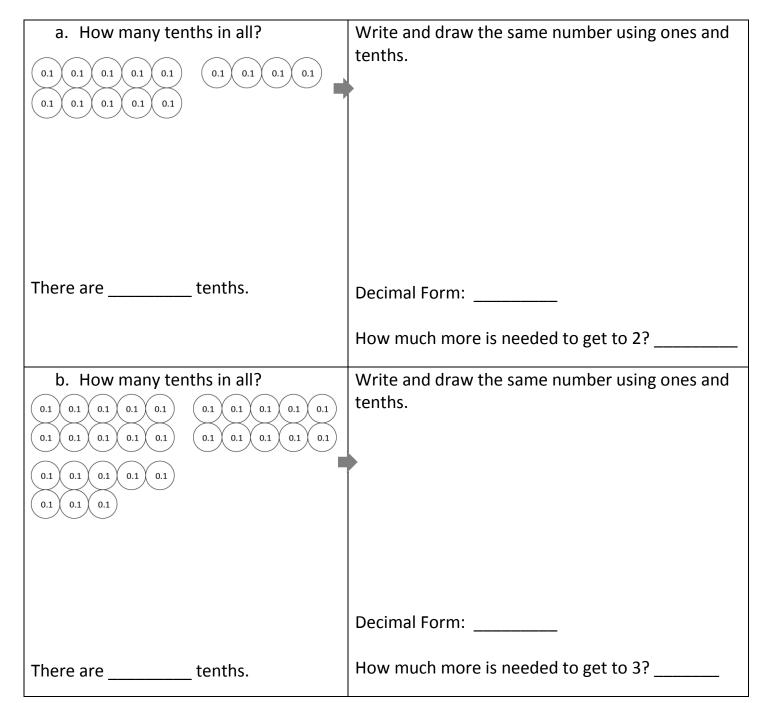
f.
$$\frac{18}{10}$$
 = _____ How much is needed to get to 2? _____





Name	Date	

1. Circle groups of tenths to make as many ones as possible.



2. Show the expanded form of the number in fraction form and decimal form.

a. 3 tens 4 ones 3 tenths	b. 5 tens 3 ones 7 tenths
Fraction Expanded Form $(3 \times 10) + (4 \times 1) + (3 \times \frac{1}{10}) = 34 \frac{3}{10}$	Fraction Expanded Form
Decimal Expanded Form $(3 \times 10) + (4 \times 1) + (3 \times 0.1) = 34.3$	Decimal Expanded Form
c. 3 tens 2 ones 3 tenths	d. 8 tens 4 ones 8 tenths
Fraction Expanded Form	Fraction Expanded Form
Decimal Expanded Form	Decimal Expanded Form

3. Complete the chart.

	Point on Number Line	Decimal Form	Mixed Number	Expanded Form (fraction or decimal form)	How much to get to the next one?
a.			$4\frac{6}{10}$		
b.	24 25				0.5
C.				$(6 \times 10) + (3 \times 1) + (6 \times \frac{1}{10})$	
d.			$71\frac{3}{10}$		
e.				(9 × 10) + (9 × 0.1)	



	Point on Number Line	Decimal Form	Mixed Number	Expanded Form (fraction or decimal form)	How much more is needed to get to the next one?
a.					
b.					
C.					
d.					

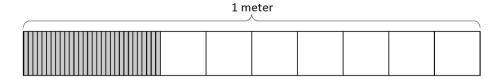
Name	Date



1. a. What is the length of the shaded part of the meter stick in centimeters?

1 meter

- b. What fraction of a meter is 3 centimeters? _____
- c. In fraction form, express the length of the shaded portion of the meter stick.



d. In decimal form, what is the length of the shaded portion of the meter stick in Problem C?

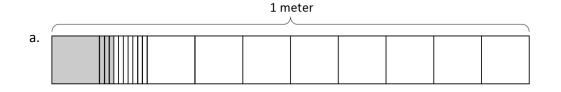
- e. What fraction of a meter is 30 centimeters? ______
- 2. Fill in the blanks.

b.
$$\frac{5}{10}$$
 m = $\frac{?}{100}$ m c. $\frac{4}{10}$ m = $\frac{40}{?}$ m

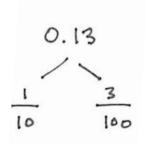
c.
$$\frac{4}{10}$$
 m = $\frac{40}{2}$ m

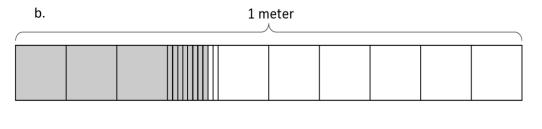
hundredths

3. Use the model to add the shaded parts as shown. Write a number bond with the total written in decimal form and the parts written as fractions.

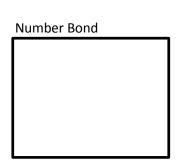


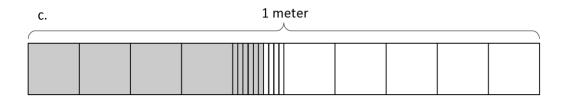
$$\frac{1}{10} \text{ m} + \frac{3}{100} \text{ m} = \frac{13}{100} \text{ m} = 0.13 \text{ m}$$



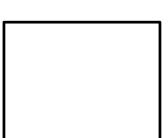


+	•	=	=	
·				

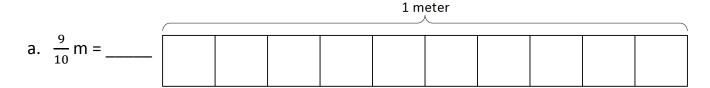




_	L	_	_	
	г	_	 _	



4. On each meter stick, shade in the amount shown. Write the equivalent decimal.



b.
$$\frac{15}{100}$$
 m = _____

	41			1 m	eter		
C.	$\frac{41}{100}$ m =						

6. Write each fraction as a decimal.

Write each decimal as a number bond showing tenths and hundredths.

a.
$$\frac{23}{100}$$
 m = ____

b.
$$\frac{38}{100}$$
 m = _____

Number Bond

c.
$$\frac{82}{100}$$
 m = _____

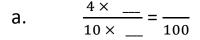
d.
$$\frac{76}{100}$$
 m = _____

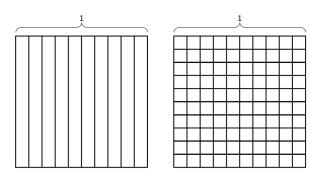


Name

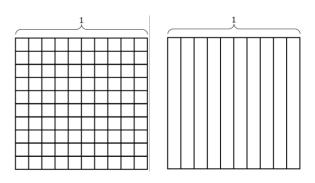
Date _____

1. Find the equivalent fraction using multiplication or division. Shade the area models to show the equivalency. Record it as a decimal.





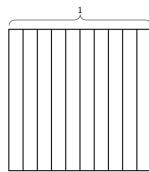
b.
$$\frac{60 \div}{100 \div} = \frac{1}{10}$$



2. Complete the number sentences. Shade the equivalent amount on the area model, drawing horizontal lines to make hundredths.

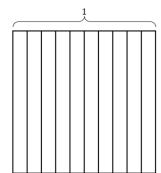
a. 36 hundredths = _____tenths + ____ hundredths

Decimal form: _____ Fraction form: _____



b. 82 hundredths = ____ tenths + ____ hundredths

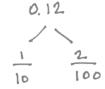
Decimal form: _____ Fraction form: _____



3. Circle hundredths to compose as many tenths as you can. Complete the number sentences. Represent each with a number bond as shown.

0.01 1 0.01 0.01 0.01 0.01 7 0.01 0.01 0.01 0.01 0.01 (0.01) 0.01

____ hundredths = _____ tenth + _____ 10 2



b. 0.01 0.01 0.01 (0.01 (0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01

0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01

hundredths = tenths + hundredths

Number Bond:

4. Write the equivalent number in decimal, fraction, and unit form.

b. $\frac{13}{100} = 0$.

hundredths

____tenth ____hundredths

c. --- = 0.41

d. --- = 0.90

hundredths

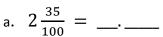
tenths

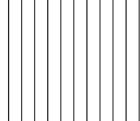


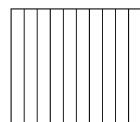
Name

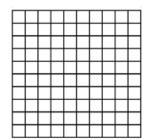
Date _____

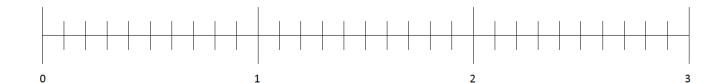
1. Shade the area models to represent the number. Write the fraction as a decimal. Estimate to locate the point on the number line.



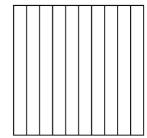


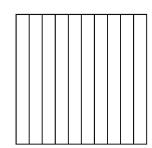


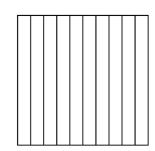


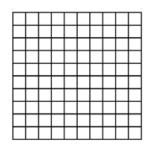


b.
$$3\frac{17}{100} =$$
___.___











3

4

2. Estimate to locate the points on the number lines.





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



3. Write the equivalent fraction and decimal for each of the following numbers.

a. 2 ones 2 hundredths	b. 2 ones 16 hundredths
c. 3 ones 7 hundredths	d. 1 one 18 hundredths
e. 9 ones 62 hundredths	f. 6 ones 20 hundredths

4. Draw lines from dot to dot to match the decimal form to both the unit form and fraction form. All unit forms and fractions have at least one match, and some have more than one match.

4.80 4 ones 18 hundredths 4.8 4 ones 8 hundredths 48 4.18 4 ones 8 tenths 4.08 4 tens 8 ones 48



Name		

1. Write a decimal number sentence to identify the total value of the number disks.



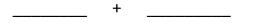




3 tens

4 tenths

2 hundredths





(100)	(100)	100	(100)
	\smile		

4 hundreds

3 hundredths

+	
	_

2. Use the place value chart to answer the following questions. Express the value of the digit in unit form.

hundreds	tens	ones	tenths	hundredths
8	2	7	6	4

- a. The digit ______ is in the hundreds place. It has a value of ______.
- b. The digit _____ is in the tens place. It has a value of _____.
- c. The digit _____ is in the tenths place. It has a value of _____.
- d. The digit ______ is in the hundredths place. It has a value of ______.

hundreds	tens	ones	•	tenths	hundredths
3	4	5		1	9

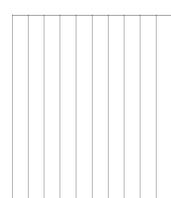
- e. The digit _____ is in the hundreds place. It has a value of _____.
- f. The digit _____ is in the tens place. It has a value of _____.
- g. The digit _____ is in the tenths place. It has a value of _____.
- h. The digit _____ is in the hundredths place. It has a value of _____.
 - 3. Write each number in expanded form, using both decimal and fraction notation. The first one has been done for you.

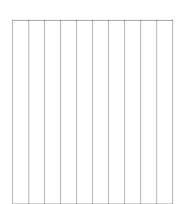
Decimal and	Expanded Form				
Fraction Form	Fraction Notation	Decimal Notation			
14.22 - 14.23	$(1 \times 10) + (4 \times 1) + (2 \times \frac{1}{10}) + (3 \times \frac{1}{100})$	$(1 \times 10) + (4 \times 1) + (2 \times 0.1) + (3 \times 0.01)$			
$14.23 = 14 \frac{23}{100}$	$10 + 4 + \frac{2}{10} + \frac{3}{100}$	10 + 4 + 0.2 + 0.03			
25.3 =					
39.07 =					
40.6 =					

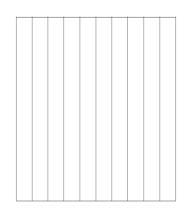


Name ______ Date ____

- 1. Use the area model to represent $\frac{220}{100}$. Complete the number sentence.
 - a. $\frac{220}{100} =$ _____ tenths = ____ ones ____ tenths = ___.__







2. Draw number disks to represent the following decompositions:

5 ones = _____ tenths

	_		
ones		tenths	hundredths

7 tenths = _____ hundredths

ones	tenths	hundredths

2 ones 4 tenth = tenths

ones	•	tenths	hundredths

8 tenths 3 hundredths = hundredths

ones	tenths	hundredths

3. Decompose the units to represent each number as tenths.

4. Decompose the units to represent each number as hundredths.

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Name	Date	

1. Express the lengths of the shaded parts in decimal form. Write a sentence that compares the two lengths. Use the expression shorter than or longer than.

1 meter a.

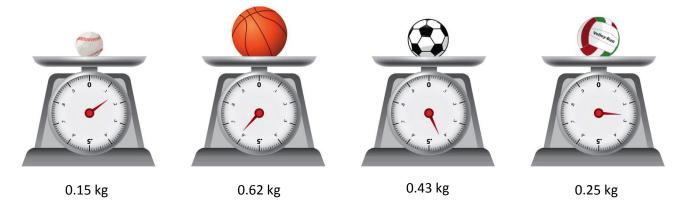
1 meter

1 meter b. 1 meter

c. List all four lengths from least to greatest.

2.

a. Examine the mass of each item as shown below on the 1 kilogram scales. Put an X over the items that are heavier than the volleyball.



b. Express the mass of each item on the place value chart.

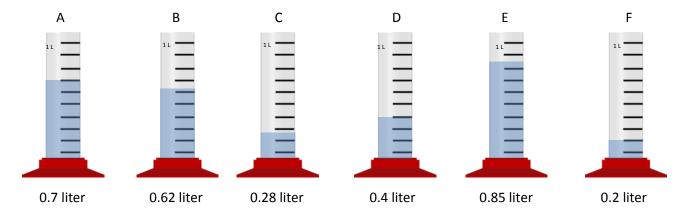
	ones (kilograms)	•	tenths	hundredths
baseball				
volleyball				
basketball				
soccer ball				

c	Complete the s	tatements held	w using th	ne words <i>h</i>	eavier than	or liahter than
C.	Complete the 3	tatements beit	JW USING U	ie wolus ii	ieuviei tiiuii	or nighter than.

The soccer ball is ______ the baseball.

The volleyball is ______ the basketball.

3. Record the volume of water in each cylinder on the place value chart below.



Cylinder	ones (liters)	tenths	hundredths
Α			
В			
С			
D			
E			
F			

Compare the values using >, <, or =.

0.4 L _____ 0.2 L

0.62 L _____ 0.7 L

0.2 L _____ 0.28 L

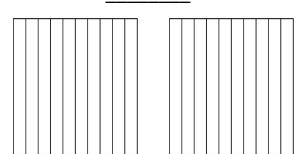
Name

Date _____

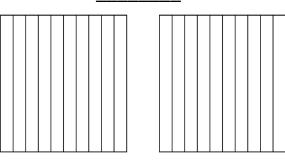


1. Shade the parts of the area models below, decomposing tenths as needed, to represent the pairs of decimal numbers. Fill in the blank with <, >, or = to compare the decimal numbers.

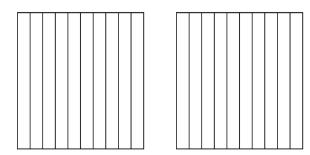
a. 0.19 _____ 0.3



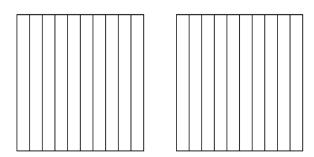
b. 0.6 _____ 0.06



c. 0.8 _____ 0.53



d. 0.38 _____0.7



2. Locate and label the points for each of the decimal numbers on the number line. Fill in the blank with <, >, or = to compare the decimal numbers.

a. 7.2 _____ 7.02







- 3. Use the symbols <, >, or = to compare.
 - a. 2.68 2.54

b. 6.37 6.73

c. 9.28 7.28

d. 3.02 _____ 3.2

e. 13.1 _____ 13.10

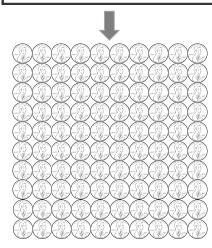
- f. 5.8 5.92
- 4. Use the symbols <, >, or = to compare.
 - a. 57 tenths _____ 5.7
- b. 6.2 _____ 6 ones and 2 hundredths
- c. 33 tenths _____ 33 hundredths d. 8.39 _____ $8\frac{39}{10}$

f. 3 tenths 22 hundredths

Name

- 1. 100 pennies = \$_____ 100¢ = $\frac{100}{100}$ dollar
- 2. 1 penny = \$_____ dollar
- 3. 3 pennies = \$____. 3 $\c = \frac{100}{100}$ dollar
- 4. 20 pennies = \$_____ 20¢ = $\frac{100}{100}$ dollar
- 5. 37 pennies = \$_____ 37¢ = $\frac{}{100}$ dollar





20 = $\frac{10}{10}$ dollar

40¢ = $\frac{10}{10}$ dollar





- 11. 3 quarters = \$____.
- 12. 2 quarters = \$___.__
- 13. 4 quarters = \$___.__

- 6. 10 dimes = \$_____ 100¢ = $\frac{1}{10}$ dollar
- 7. 2 dimes = \$___.__
- 8. 4 dimes = \$____.
- 9. 6 dimes = \$____ 60¢ = $\frac{}{10}$ dollar
- 10. 9 dimes = \$____. 90¢ = $\frac{}{10}$ dollar

$$75$$
 = $\frac{100}{100}$ dollar

- 50¢ = $\frac{100}{100}$ dollar
- $100 \ = \frac{100}{100}$ dollar

Solve. Give the total amount of money in fraction and decimal form.

5 dimes and 8 pennies 14.

3 quarters and 13 pennies 15.

16. 3 quarters, 7 dimes, and 16 pennies

187 cents is what fraction of a dollar? 17.

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Name	 Date	

Use the RDW process to solve. Write your answer as a decimal.

1. Maria had 2 dollars, 3 dimes, and 4 pennies. Lisa had 1 dollar and 5 quarters. How much money did the two girls have in all?

2. Mary needed 5 dollars 35 cents to buy a ticket to a show. In her wallet, she found 2 dollar bills, 11 dimes, and 5 pennies. How much more money does Mary need to buy the ticket?

3. Joe had 5 dimes and 4 pennies. Jack had 2 dollars, 4 dimes, and 5 pennies. Jimmy had 6 dollars and 4 dimes. They wanted to put their money together to buy a book that costs \$10.00. Did they have enough? If not, how much more did they need?

4. A package of mechanical pencils costs \$4.99. A package of pens costs twice as much as a package of pencils. How much does a package of pens and a package of pencils cost together?