

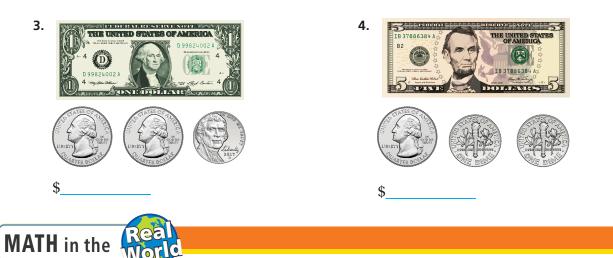
Show What You Know

2-Digit Addition and Subtraction Find the sum or difference.

4	5
7	6
	4 7

2.	Hundreds	Tens	Ones
		8	2
_		6	5

Money Find the value.



Jalil has 4 tiles. Each tile has a number printed on it. The numbers are 1, 4, 7, and 9. A decimal number is formed using the tiles and the clues. Find the number.

Clues The digit in the tens place is the greatest number. The digit in the tenths place is less than the digit in the hundredths place. The digit in the ones place is greater than the digit in

the hundredths place.

Visualize It

Complete the table by using words with a \checkmark .

3	2	5	6

Go Online For more help

Connect to Vocabulary

Review Words

- ✓ decimal point
- ✓ hundredths
- ✓ tens
- ✓ tenths
- ✓ ones
 - place value

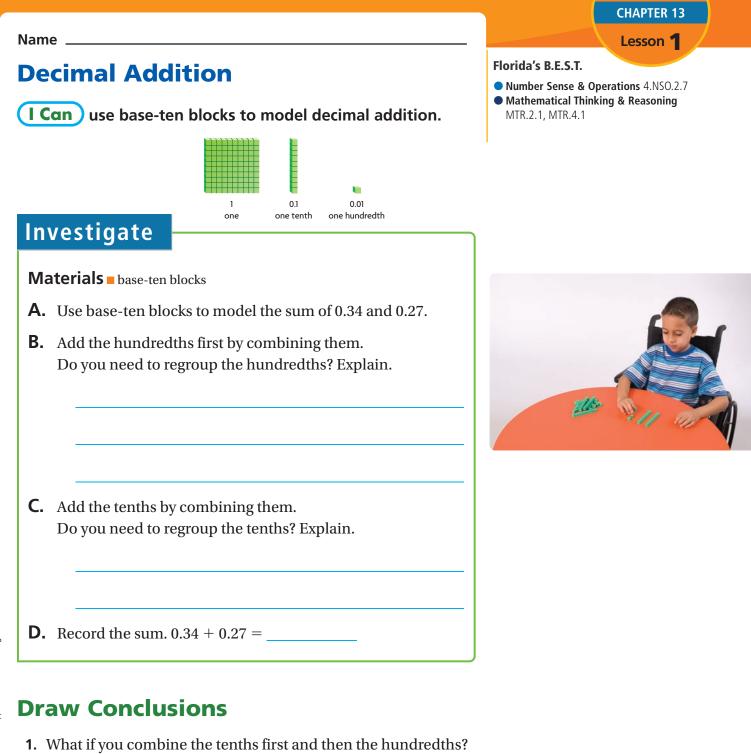
Preview Words

balance deposit withdrawal

Understand Vocabulary

Draw a line to match each word with its definition.

balance	• when money is subtracted from the balance of an account
deposit	• when money is added to the balance of an account
withdrawal	• the amount of money in an account



- Explain how you would regroup.
- **2. MTR** If you add two decimals that are each greater than 0.5, will the sum be less than or greater than 1.0? Explain.

Make Connections

You can use a quick picture to add decimals greater than 1.

STEP 1

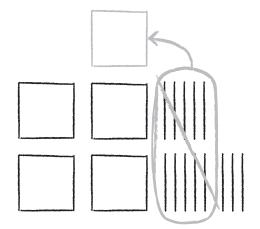
Model the sum of 2.5 and 2.8 with a quick picture.

STEP 2

Add the tenths.

• Are there more than 9 tenths? ______ If there are more than 9 tenths, regroup.

Add the ones.



STEP 3

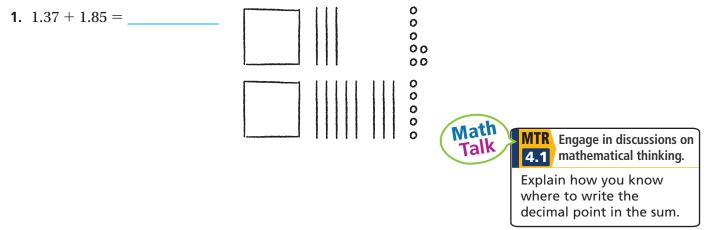
Draw a quick picture of your answer. Then record.



2.5 + 2.8 =



Complete the quick picture to find the sum.



Add. Draw a quick picture.



Problem Solving · Applications

6. Carissa bought 0.8 pound of chicken and 2.7 pounds of turkey for lunches this week. She used a quick picture to find the amount of lunch meat. Does Carissa's work make sense? Explain.

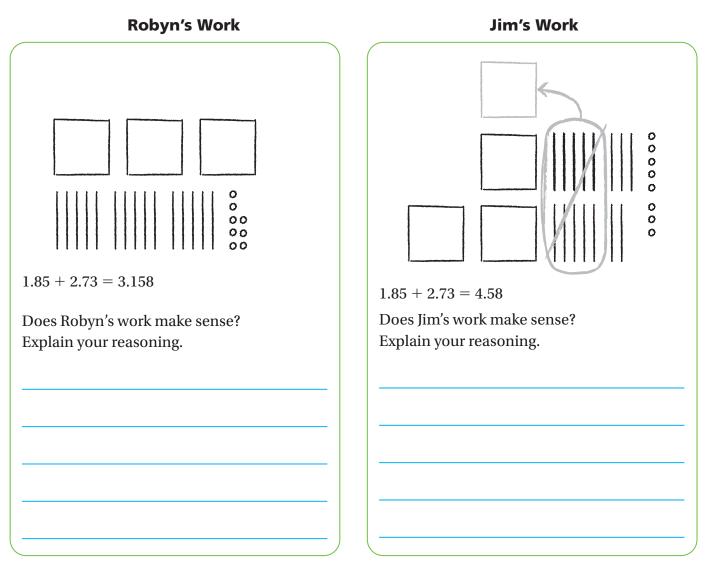


MTR Engage in discussions on 4.1 mathematical thinking.

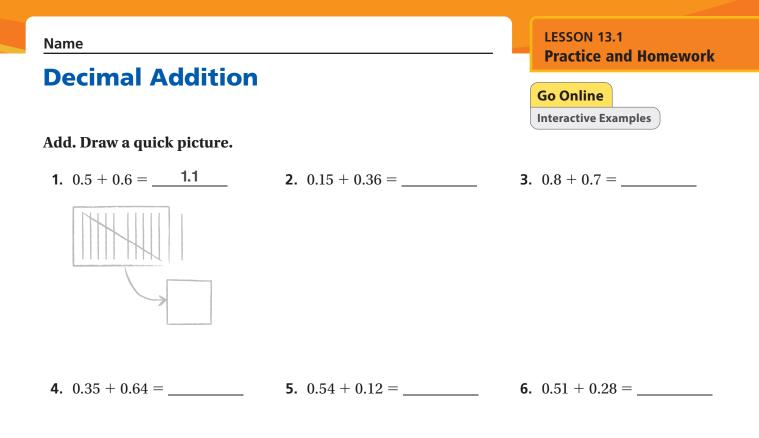
Explain how you solved Problem 4.

7. Robyn and Jim used quick pictures to model 1.85 + 2.73.





- 8. **MTR** Explain how you would help Robyn understand that regrouping is important when adding decimals.
- **9.** Write a decimal addition problem that requires regrouping the hundredths. Explain how you know you will need to regroup.



Problem Solving Real

- 7. Draco bought 0.6 pound of bananas and 0.9 pound of grapes at the farmers' market. What is the total weight of the fruit?
- **8.** Alma biked 2.65 miles in the morning and 3.19 miles in the afternoon. What total distance did she bike?

9. WRITE *Math* Explain why drawing a quick picture is helpful when adding decimals.

Lesson Check

- **10.** What is the sum of 2.5 and 1.9?
- **11.** Keisha walked 0.65 hour in the morning and 0.31 hour in the evening. How many hours did she walk altogether?

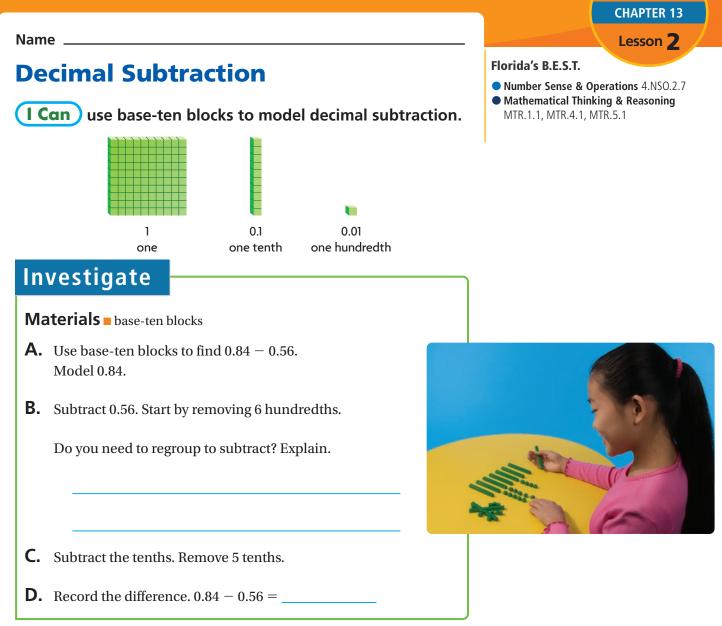
Spiral Review

- **12.** Jodi walks 35 minutes a day. If she walks for 240 days, how many minutes altogether does Jodi walk?
- **13.** The Speeders soccer team charged \$6 to wash each car at a fundraiser car wash. The team collected a total of \$672 by the end of the day. How many cars did the team wash?

14. Celesto records the number of visitors to the snake exhibit each day for 6 days. His data are shown in the table. If admission is \$7 per person, how much money did the snake exhibit make over the 6 days?

V	isitors	to the	Snake	Exhib	it
30	25	44	12	25	32

15. Write an inequality to compare $\frac{4}{6}$ and $\frac{12}{16}$.



Draw Conclusions

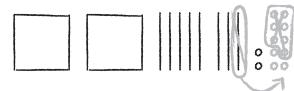
- **1.** What if you remove the tenths first and then the hundredths? Explain how you would regroup.
- **2. MTR** If two decimals are both less than 1.0, what do you know about the difference between them? Explain.

Make Connections

You can use quick pictures to subtract decimals that need to be regrouped.

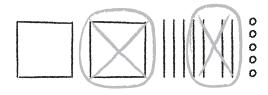
STEP 1

- Use a quick picture to model 2.82 1.47.
- Subtract the hundredths.
- Are there enough hundredths to remove? ______ If there are not enough hundredths, regroup.



STEP 2

- Subtract the tenths.
- Subtract the ones.



STEP 3

Draw a quick picture of your answer. Then record the answer.

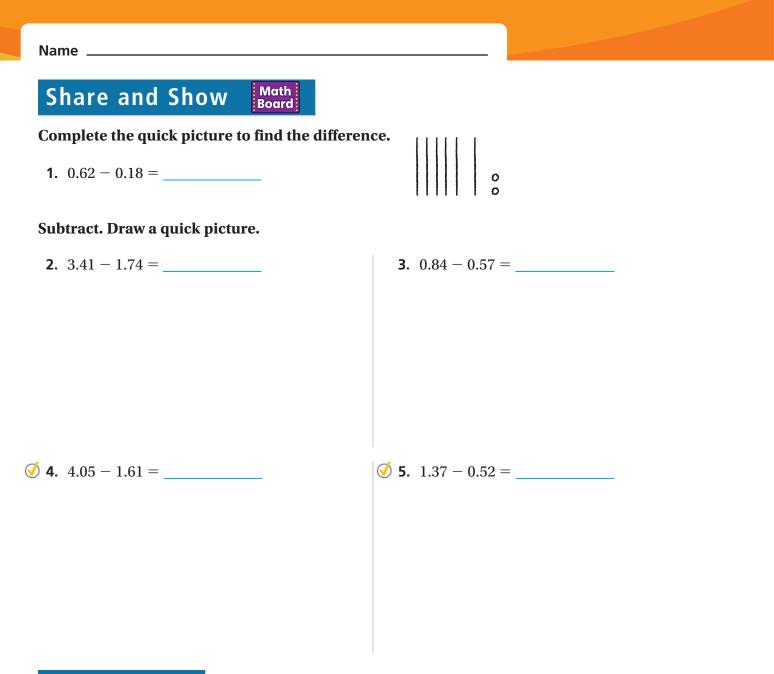




MTR Engage in discussions on 4.1 mathematical thinking.

Explain why you have to regroup in Step 1.





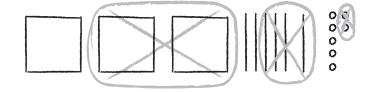
On Your Own

6. Write a decimal subtraction equation that requires regrouping from the tenths. Explain how you know you will need to regroup.



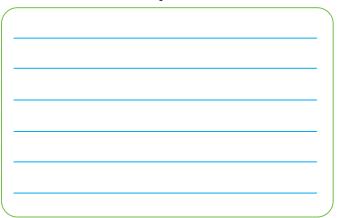
7. Antonio left his MathBoard on his desk during lunch. The quick picture below shows the problem he was working on when he left.

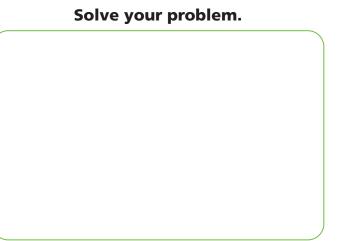




Write a word problem that can be solved using the quick picture above.

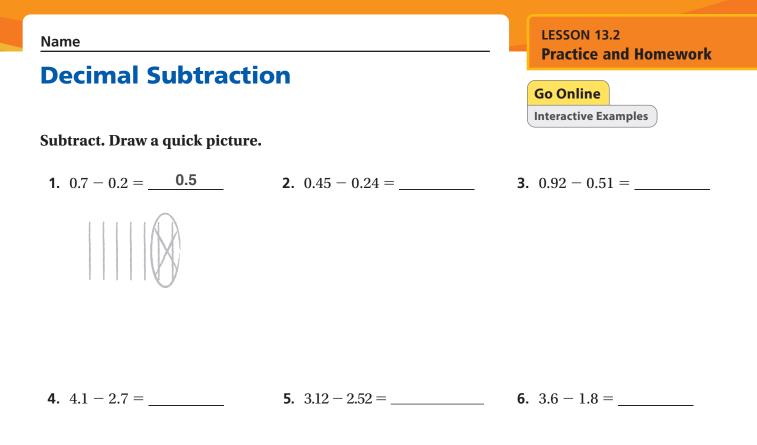
Pose a problem.





• **MTR** Describe how you can change the problem by changing the quick picture.

8. The price of a box of markers at a retail store is \$4.65. The price of a box of markers at the school bookstore is \$3.90. How much more do the markers cost at the retail store? Explain how you can use a quick picture to solve the problem.



Problem Solving

- 7. Yelina made a training plan to run 5.6 miles per day. So far, she has run 3.1 miles today. How much farther does she have to run to meet her goal for today?
- **8.** Wen cut a 2.3-foot length of pipe from a pipe that was 4.1 feet long. How long is the remaining piece of pipe?

9. WRITE *Math* Describe a problem involving decimals that you would use a quick picture to solve. Then solve the problem.

Lesson Check

- **10.** Ushi wants to jog 3.25 miles on the treadmill. She has jogged 1.63 miles. How much farther does she have to jog to meet her goal?
- **11.** A new teen magazine has a readership goal of 3.5 million. Its current readership is 2.8 million. How much does its readership need to increase to meet this goal?

Spiral Review

- **12.** What is the value of the underlined digit in <u>7</u>64,350?
- **13.** Complete the equation.

 $6 \times 794 = 6 \times \underline{\qquad} + \underline{\qquad} \times \\90 + 6 \times 4$

14. Complete the equation.

 $7 \times 48 = 3 \times ___ + ___ \times 48$

15. In the past two weeks, Yu earned \$513 at her part-time job. She worked a total of 54 hours. About how much did Sue earn per hour?

Add Decimals



I Can) solve real-world decimal problems using addition.

🗄 UNLOCK the Problem 🔐

Henry recorded the amount of rain that fell over 2 hours. In the first hour, Henry measured 2.35 centimeters of rain. In the second hour, he measured 1.82 centimeters of rain.

Henry estimated that about 4 centimeters of rain fell in 2 hours. What is the total amount of rain that fell? How can you use this estimate to decide if your answer is reasonable?

Add. 2.35 + 1.82

Add the hundredths first.

5 hundredths + 2 hundredths = _____ hundredths.

• Then add the tenths and ones. Regroup as needed.

3 tenths + 8 tenths = _____ tenths. Regroup.

2 ones + 1 one + 1 regrouped one = _____ ones.

• Record the sum for each place value.

Draw a quick picture to check your work.

Go Online For more help

So, centimeters of rain fell.

Since ______ is close to the estimate, 4, the answer is reasonable.

- Number Sense & Operations 4.NSO.2.7, 4.NSO.2.6
- Mathematical Thinking & Reasoning MTR.2.1, MTR.3.1, MTR.4.1, MTR.5.1





2.35

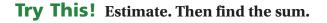
+ 1.82

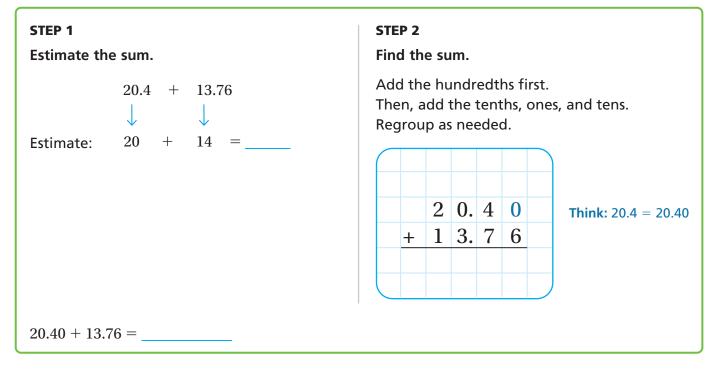
MTR Engage in discussions on **4.1** mathematical thinking.

Explain how you know when you need to regroup in a decimal addition problem.

Chapter 13 • Lesson 3 555

When adding decimals, you can use equivalent decimals to help keep the numbers aligned in each place. Write additional zeros to the right of the last digit as needed, so that the addends have the same number of decimal places.

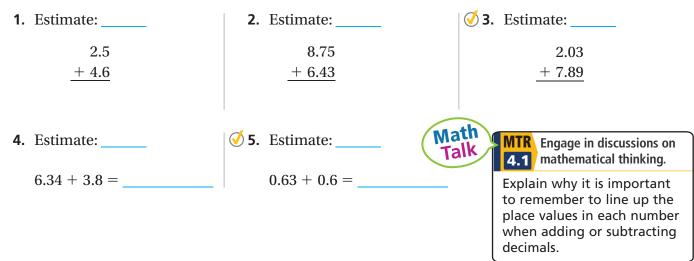




• Is your answer reasonable? Explain.

Share and Show Math Board

Estimate. Then find the sum.



On Your Own

6.	weeks of Augu 3.68 centimete	st. During the re rs more than it	est of t had th	ain in the first two the month it rained ne first two weeks. ters for the month of	MATH on the Spot
	(A) 8.33 cent	imeters	C	12.98 centimeters	
	B 12.01 cer	timeters	D	11.99 centimeters	
a.	What do you n	eed to find?			
b.	b. What information are you given?				
c.	How will you ı	se addition to f	ind th	e total number of centime	eters

of rain that fell?

- **d**. Show how you solved the problem.
- e. Fill in the bubble for the correct answer choice above.
- 7. Tania measured the growth of her plant each week. The first week, the plant's height measured 2.65 decimeters. During the second week, Tania's plant grew 0.38 decimeter. How tall was plant at the end of the second week?
 - A 2.27 decimeters
 - **B** 3.03 decimeters
 - C 3.23 decimeters
 - D 3.93 decimeters

- 8. Maribel had \$35.13. Then her mom gave her \$7.50 each of the two times she watched her younger brother. How much money does Maribel have now?
 - **(A)** \$41.63
 - **B** \$42.63
 - **(C)** \$41.63
 - **D** \$50.13

Problem Solving · Applications

Fill in the bubble completely to show your answer.

- **9.** A king's crown has a ruby that is 4.9 carats and a sapphire that is 5.32 carats. What is the total number of carats on the king's crown?
 - (A) 9.41 carats
 - **B** 9.22 carats
 - (C) 10.22 carats
 - **D** 11.12 carats
- **10.** Vern bought 1.75 pounds of apples and 2.4 pounds of oranges. How many pounds of apples and oranges did he buy in all?
 - **A** 2.15 pounds
 - **B** 4.15 pounds
 - **(C)** 1.99 pounds
 - **D** 3.75 pounds
- 11. Sean runs 2.62 miles. Lisa runs 3.02 miles. Shannon runs2.78 miles. Serge runs 3.8 miles. Which two people run for a total of 5.4 miles?
 - (A) Sean and Shannon (C) Lisa and Shannon
 - (B) Lisa and Serge (D) Sean and Serge
- **12.** When Lupe got a puppy, it weighed three and eighty-five hundredths pounds. After a month, it weighed ninety-five hundredths more than when she got it. How much did the puppy weigh at the end of the month?
 - (A) 480 pounds (C) 4.80 pounds
 - **B** 4.70 pounds **D** 3.70 pounds

Add Decimals

Estimate. Then find the sum.

- 1. Estimate:
 - 3.4 + 2.7
- **3.** Estimate:
 - 3.09 +8.89
- **5.** Estimate: _____
 - 5.29 + 6.78 =
- 7. Estimate:
 - 9.2 + 3.04 =
- **9.** Estimate: _____
 - 7.86 + 2.9 =
- **11.** Find one-tenth more than the number.
 - a. 5.74? b. 8.9?
- **12.** Find one-hundredth more than the number.
 - a. 4.28? _____ b. 3.6? _____

Problem Solving Real

- **13.** Monique's dog weighs 10.6 pounds. Her cat weighs 8.4 pounds. What is the combined total weight of Monique's pets?
- 14. Monique spent \$8.49 on dog food and \$7.99 on cat food. What is the total amount Monique spent on food for her pets?

+ 1.84

4. Estimate:

7.30

2. Estimate:

5.26

+9.75

- 6. Estimate:
 - 6.2 + 2.36 =
- 8. Estimate:

7.08 + 2.9 =

10. Estimate: _____

4.3 + 2.49 =

Go Online Interactive Examples

Lesson Check

Fill in the bubble completely to show your answer.

- 15. Ulises ran 3.75 miles around the track. After resting, Ulises ran an additional 2.9 miles. What is the total distance Ulises ran?
 - (A) 3.94 miles
 - **B** 6.65 miles
 - **(C)** 4.04 miles
 - **D** 5.65 miles
- 17. Rufus measured the growth of a plant for his science project. At the end of the first week, the plant was 9.54 centimeters tall. During the second week, the plant grew 2.68 centimeters. How tall was Rufus's plant at the end of the second week?
 - (A) 11.22 centimeters
 - **B** 12.12 centimeters
 - **(C)** 11.12 centimeters
 - **D** 12.22 centimeters

Spiral Review

19. Rolando worked for $\frac{2}{4}$ hour before practice and $\frac{5}{4}$ hour after practice. How many hours did Rolando work in all?

- 16. On the first day of school, Cassandra measured 1.37 meters tall. During the school year, Cassandra grew 0.06 meters. How tall was Cassandra at the end of the school year?
 - (A) 1.33 meters
 - **B** 1.31 meters
 - **(C)** 1.43 meters
 - **D** 1.42 meters
- **18.** The distance from Sabinian's house to his uncle's house is 12.58 miles. If Sabinian travels another 9.49 miles, he will reach his grandmother's house. What is the distance from Sabinian's house to his grandmother's house?
 - (A) 22.07 miles
 - **(B)** 21.97 miles
 - **(C)** 21.07 miles
 - **D** 22.08 miles
- **20.** Write $\frac{5}{16}$ as a sum of unit fractions.

Subtract Decimals

I Can solve real-world decimal problems using subtraction.

B

UNLOCK the Problem Real World

Hannah has 3.36 kilograms of apples and 2.28 kilograms of oranges. Hannah estimates she has about 1 more kilogram of apples than oranges. How many more kilograms of apples than oranges does Hannah have? How can you use this estimate to decide if your answer is reasonable?

Subtract. 3.36 – 2.28

• Subtract the hundredths first. If there are not enough hundredths, regroup 1 tenth as 10 hundredths.

hundredths — 8 hundredths = 8 hundredths

- Then subtract the tenths and ones. Regroup as needed.
 - tenths -2 tenths = 0 tenths -2.28ones -2 ones = 1 one
- Record the difference for each place value.



	anth	
	Math Talk	MTR Engage in discussions on 4.1 mathematical thinking.
So, Hannah has	more kilograms of apples than oranges.	Explain how you know when to regroup in a decimal subtraction problem.
Since	is close to 1, the answer is reasonable.	

CHAPTER 13 Lesson **4**

Florida's B.E.S.T.

What operation will you use to

Circle Hannah's estimate and check

that your answer is reasonable.

solve the problem?

3.36

- Number Sense & Operations 4.NSO.2.7, 4.NSO.2.6
- Mathematical Thinking & Reasoning MTR.2.1, MTR.3.1, MTR.4.1, MTR.5.1

Share and Show Math Board

Estimate. Then find the difference.

1. Estimate:	2. Estimate:	⊘ 3. Estimate:
5.83	4.45	4.03
-2.18	-1.86	-2.25

Find the difference. Check your answer.

4. 0.70	5. 13.2	⊘6. 15.8
-0.43	-8.04	-9.67

On Your Own

Find the difference.

- **7.** three and seventy-two hundredths subtracted from five and eighty-one hundredths
- **8.** one and six hundredths subtracted from eight and thirty-two hundredths

Write the unknown number for *n*.

9. $5.28 - 3.4 = n$	10. $n - 6.47 = 4.32$	11. 11.57 – <i>n</i> = 7.51
<i>n</i> =	<i>n</i> =	<i>n</i> =
Find the difference.		
12. 8.42 - 5.14	13. 16.46 - 13.87	14. 34.27 – 17.51
15. 15.83 - 11.45	16. 12.74 - 10.54	17. 48.21 – 13.65

	PEANUT BUTTER Nutrition Facts Serving Size 2 Tbsp (32.0 g) Amount Per Serving Calories from Fat 190 Calories from Fat 190 Saturated Fat 3g 18% Polyunsaturated Fat 4.4g Monounsaturated Fat 7.8g Cholesterol Omg 0% Sodium Smg 0% Sodium Smg 0% Sugars 2.5g 8% Brotein 8.1g *Based on a 2,000 calorie diet
b. How will you use subtraction to find how n of protein and fat there are than grams of c	• •
c. Show how you solved the problem.	 d. Complete each sentence. The peanut butter hasgrams of protein andgrams of fat for a total ofgrams. The peanut butter hasgrams of carbohydrates. There aremore grams of protein and fat than grams of carbohydrates in the peanut butter.
19. Kasen is building a block tower. Right now the tower stands 0.89 meter tall. How much higher does the tower need to be to reach a	20. Karin made punch for her party. She used 2.50 liters of orange juice and 1.75 liters of ginger ale. She had 2.35 liters of punch left

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height of 1.74 meters?

over. How many liters of punch was used for

her party?

Problem Solving · Applications

Fill in the bubble completely to show your answer.

- 21. Adrian made a poster for his math project. The capital letters on his poster are 4.29 centimeters high. The lowercase letters are 1.97 centimeters high. How much taller are the capital letters than the lowercase letters?
 - (A) 6.26 centimeters
 - **B** 3.72 centimeters
 - **(C)** 5.16 centimeters
 - **D** 2.32 centimeters

- **22.** Mace's tomato plant was 9.6 centimeters tall when he planted it. It is 21.7 centimeters tall now. How much did the tomato plant grow?
 - A 18.3 centimeters
 - **B** 28.1 centimeters
 - C 12.1 centimeters
 - **D** 31.3 centimeters
- **23.** Janus bought 2.07 pounds of potato salad. She ate 0.25 pound. Her brother ate 0.38 pound. How much potato salad was left?
 - (A) 0.63 pound (C) 1.82 pounds
 - **B** 2.70 pounds **D** 1.44 pounds
- **24.** Allie is 158.7 centimeters tall. Her older brother is 3.55 centimeters taller than she is. Her younger brother is 9.53 centimeters shorter than her older brother. How tall is Allie's younger brother?
 - (A) 162.25 centimeters (C) 171.78 centimeters
 - (B) 147.7 centimeters (D) 152.72 centimeters

Subtract Decimals

LESSON 13.4 Practice and Homework

Go Online Interactive Examples

Estimate. Then find the difference.

1. Estimate:	2. Estimate:
4.08	13.54
-1.74	- 6.7

Find the difference. Check your answer.

3.	16.05	4.	21.4
	- 1.5		-16.97

Find the unknown number for *n*.

5. $7.3 - n = 1.9$	6. $n - 8.12 = 11.52$
<i>n</i> =	<i>n</i> =

Find the difference.

- **7.** 14.36 12.65 **8.** 69.32 32.46
- **9.** Find one-tenth less than the number.
 - a. 6.83? _____ b. 7? _____
- **10.** Find one-hundredth less than the number.
 - a. 5.57? _____ b. 8.9? _____

Problem Solving Real

- **11.** Hiemo compared the labels of two brands of peanut butter. Brand X has 16.2 grams of fat. Brand Y has 12.7 grams of fat. How much more fat does Brand X contain than Brand Y?
- **12.** Franca ran 63.6 kilometers. Philip ran 8 kilometers less than Franca. How many kilometers did Philip run?

Lesson Check

Fill in the bubble completely to show your answer.

- 13. Erin had \$33.65 in her savings account.She spent \$9.99 on a new scarf. How much does Erin have left in her savings account?
 - **(A)** \$23.65
 - **B** \$43.64
 - **(C)** \$33.66
 - **D** \$23.66
- **15.** One year it rained 59.89 inches in Port Arthur, Texas. The same year it rained 18.69 inches in Lubbock, Texas. How much more rainfall did Port Arthur receive than Lubbock?
 - **A** 41.20 inches
 - **B** 40.60 inches
 - **C** 58.02 inches
 - **D** 78.58 inches

Spiral Review

- **17.** Write the next three numbers in the pattern.
 - 2, 6, 18, 54, . . .

- 14. Ivory lives 14.57 miles from the mall. Roberto lives 9.08 miles from the mall. How much farther does Ivory live from the mall than Roberto?
 - **A** 5.59 miles
 - **B** 5.49 miles
 - **C** 23.65 miles
 - **D** 23.55 miles
- 16. Kaitlin and Lorne both entered pumpkins in a pumpkin growing competition. Kaitlin's pumpkin weighed 54.43 pounds, and Lorne's pumpkin weighed 72.11 pounds. How much more did Lorne's pumpkin weigh than Kaitlin's pumpkin?
 - **A** 28.78 pounds
 - **B** 28.68 pounds
 - C 22.32 pounds
 - **D** 17.68 pounds
- **18.** List all of the factors of 24.

Add and Subtract Money

I Can solve real-world money problems using addition and subtraction.

Lesson 5

Florida's B.E.S.T.

Math Idea

You can add and subtract

decimals the same way you add and subtract whole

numbers if you line up the

decimal points first.

- Number Sense & Operations 4.NSO.2.7
- Measurement 4.M.2.2
- Mathematical Thinking & Reasoning MTR.1.1, MTR.2.1, MTR.5.1

2

🗄 UNLOCK the Problem 🔞

The balance in Marsha's savings account is \$423.54. She makes a deposit of \$58.95. What is the balance in her savings account now?

The amount of money that is in an account after a deposit or withdrawal is made is called the **balance.** A **deposit** is when money is added to the balance of an account. A **withdrawal** is when money is subtracted from the balance of an account.

Use addition to find the balance after a deposit.

STEP 1	STEP 2	STEP 3	
Line up the decimal points. Add the hundredths.	Add the tenths. Regroup as needed.	Add the ones, tens, and hundreds. Place the decimal	
\$423.54 <u>+</u> \$ 58.95	\$423.54 <u>+</u> \$ 58.95	point in the sum. 11 \$ 423.54 starting balance	
	9	+ \$ 58.95 deposit \$ 49 new balance	

So after the deposit, the balance in Marsha's savings account is _____

Use subtraction to find the balance after a withdrawal.

Two weeks later, Marsha withdraws \$75.34. What is the balance now?

Subtract the hundredths.

STEP 1

\$482.49 \$75.34

STEP 2

Subtract the tenths.



STEP 3

Subtract the ones, tens, and hundreds. Place the decimal point in the difference.



So after the withdrawal, the balance in Marsha's savings account is _____

Share and Show Math Board

 Mrs. Nolan has a checking account with a balance of \$442.37. She writes a check for \$63.92. Then she makes a deposit of \$350.00. What is the final balance in her checking account after writing the check and making the deposit?

\$442.37

First use subtraction to find the balance after
writing the check.

Starting balance:

Check amount:

Balance after writing the check:

- So, Mrs. Nolan's final balance is _____
- ✓ 2. Mccauley has a school store account with a balance of \$16.82. He spends \$2.75 to buy a new marker. What is the balance of Mccauley's school store account?

Then use addition to find the final balance after making the deposit.

Balance after writing the check:

Deposit amount:



Final balance after making the deposit:

 ✓ 3. Cereka has \$789.59 in her checking account. She makes a deposit of \$65.32. Then she writes a check for \$105.00. What is the balance of her checking account after she writes the check?

On Your Own

4. Xin's checking account had a balance of \$589.33 at the beginning of the month. She made no deposits that month and the bank charged no fees. At the end of the month, her balance was \$472.58. How much had she written in checks that month? Explain.

5. Marcin went shopping with \$20. He bought a shirt for \$7.89 at one store and a duffel bag for \$11.79 at another. How much money did he have left after he bought the shirt and the duffel bag?

Name

Problem Solving · Applications

- 6. Mitch began the month with \$733.12 in his savings account. He deposited his earnings of \$24.00 for babysitting and \$31.00 for doing chores. That same month, he withdrew \$331.76. How much money was in his account at the end of the month?
- 7. Shen has \$720.67. He spends \$435.22 on a washing machine and \$102.65 on a vacuum. How much money does Shen have now?
- 8. Mei wants to know what her balance was at the beginning of the month. She knows her balance was \$978.45 at the end of the month. During the month, she withdrew \$332.70 and deposited \$500.00. What was her beginning balance? Explain how you got your answer.

9. Fai wants to start a lawn mowing business. He will pay his workers \$15.25 to mow a lawn. It costs \$4.77 for gas to mow one lawn. If Fai charges his customer \$32.00 to mow the lawn, how much will he have left after paying his worker and paying for the gas?

Show the Math

Demonstrate Your Thinking



Fill in the bubble completely to show your answer.

- 10. At the end of March, Chung had an account balance of \$185.78. Since then, she has written two checks, one for \$25.50 and another for \$18.34. How much is in her account now?
 - A \$160.28 C \$178.62
 - **(B)** \$141.94 **(D)** \$167.44
- **11.** Mrs. Danuta bought lunch for herself and two friends. The lunches cost \$8.25, \$6.00, and \$10.50. How much do the three lunches cost all together?

A	\$24.00	C	\$38.25
B	\$11.25	D	\$24.75

- **12.** Valeska bought a pair of sneakers for \$47.82 and a shirt for \$11.36. If Valeska had \$100 before her purchase, how much money does she have left now?
 - **(A)** \$38.18
 - **B** \$59.18
 - **(C)** \$40.82
 - **D** \$35.82
- **13.** Mrs. Tola worked for a company that gave her \$300 for travel. She spent \$114.59 for a hotel room, \$15.97 for lunch, and \$25.83 for dinner. How much money did she have left at the end of her trip?
 - **A** \$227.21
 - **B** \$156.39
 - **C** \$143.61
 - **D** \$372.79

Add and Subtract Money

- 1. Kim had \$472.15 in her checking account. She deposited \$188.50 and wrote a check for \$263.89. How much is in Kim's checking account now?
- **3.** Logan's lunch cost \$14.75. Tax was \$1.03 and he left a tip of \$2.50. How much did Logan pay for his lunch?
- 4. Oleg buys a shirt for \$28.95 and a pair of socks for \$4.29. He gives the clerk at the store two \$20 bills. How much change should Oleg receive?

2. Luz sold her bicycle for \$88.50. She sold

does Luz have now?

her bicycle helmet for \$8.75. She bought a

basketball for \$35.82. How much money

Problem Solving

- 5. Lachlan bought a hat and gave the salesperson at the store \$50.00. He got \$13.72 back in change. How much did Lachlan pay for the hat? Explain how you got your answer.
- 6. At the beginning of the month, Javier had \$671.90 in his checking account. At the end of the month, he had \$422.15. He knows he wrote 2 checks. One check was for \$118.42. How much was the other check for? Explain how you got your answer.

Go Online Interactive Examples



Name

Lesson Check

Fill in the bubble completely to show your answer.

- 7. Alanso had \$515.97 in his savings account at the beginning of the month. At the end of the month he had \$648.47 in the account. If Alanso withdrew no money that month, how much money did he deposit into his savings account that month?
 - (A) \$133.50
 (C) \$1,153.34
 (B) \$1,164.44
 (D) \$132.50
- **9.** Carina had \$283.20 in her checking account. She wrote checks for \$28.50 and \$35.67. How much is left in Carina's checking account?
 - **A** \$219.03
 - **B** \$262.13
 - **(C)** \$230.03
 - **D** \$219.13

Spiral Review

11. Ernesto and his friends go strawberry picking. Ernesto fills 5 baskets. Each basket holds 23 strawberries. If 4 of Ernesto's friends pick the same amount as Ernesto, how many strawberries do Ernesto and his friends pick in all? Draw a diagram to solve the problem.

- **8**. Leslie bought a magazine for \$5.98. She paid with a \$10.00 bill. How much change did Leslie receive?
 - **(A)** \$5.02
 - **B** \$4.12
 - **(C)** \$4.02
 - **D** \$5.12
- 10. Horacio wants to buy a television for \$789.98. He has \$512.16 in savings. He can save another \$123.62 this week. How much more money does he need to buy the television?
 - **A** \$143.20
 - **B** \$401.44
 - **(C)** \$154.20
 - **D** \$635.78
- **12.** What is 429,352 rounded to the nearest thousand?
- **13.** The area of a rectangular painting is 48 square inches. If the width of the painting is 6 inches, how tall is the painting?

Solve Multistep Money Problems

🗄 UNLOCK the Problem 💦 🖓

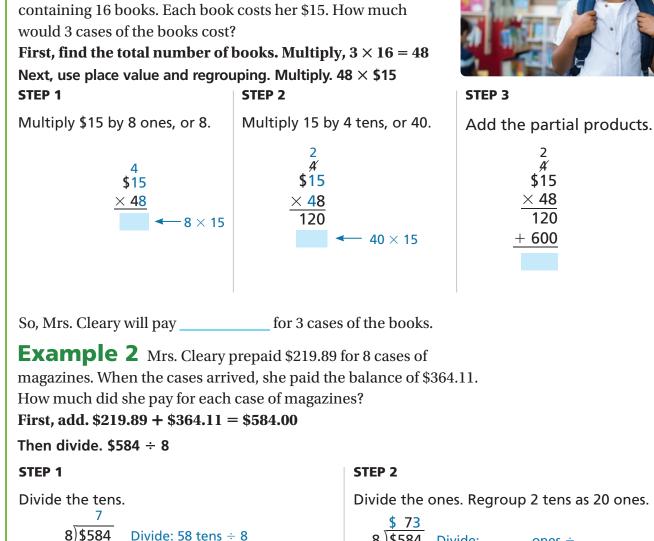
Example 1 Mrs. Cleary wants to buy books for her bookstore. The new novel she wants comes in a case

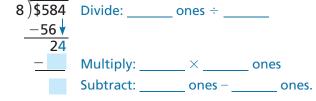
I Can solve multistep real-world money problems.

Lesson 6

Florida's B.E.S.T.

- Number Sense & Operations 4.NSO.2.7
- Measurement 4.M.2.2
- Mathematical Thinking & Reasoning MTR.2.1, MTR.7.1





So, Mrs. Cleary paid

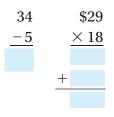
Multiply: 8×7 tens

Subtract: 58 tens – 56 tens.

for each case of magazines.

Share and Show Math Board

1. Ray bought 18 baseball caps for his baseball team. Each cap was \$5 off of its original price. The price tag said \$34. How much did Ray spend on caps?



So, Ray spent _____ on caps.

- \checkmark 2. Samantha sold 9 teddy bears that she made. \checkmark 3. Harley is planning a special dinner for the She was paid \$98 in January and \$28 in February for all the bears. If the bears were all the same price, what was the price of one bear?
 - debate club. There are 21 members in the club. If each member's salad costs \$3.35 and entree costs \$12.65, what will the total cost of the meals be?
 - 4. Henrik bought a set of 5 books for \$32. He saved \$8 by buying the books as a set rather than at the regular price. What is the regular price of each book?
 - 5. Yasmine opens a checking account with \$176.32. She deposits her paycheck of \$15.38. Then she withdraws \$30 to buy a new purse. What is the balance in her checking account?
 - 6. Palo bought a car for \$1,284 using money from his savings account. His parents give him \$120, which he immediately puts in his savings account. He wants to repay his savings account over the next 6 months. If he saves an equal amount each month, how much will he need to save each month?
 - 7. Lassa bought a car. She paid the dealer \$2,220 and then finished paying for her car by making 9 equal payments of \$352. How much was the total cost of her car?

On Your Own

Name

8. Don buys a shirt for \$24.85. His friend Daryl spends \$3.15 more for his shirt. Sean paid the same price as Daryl for his shirt but bought 2. How much did Sean spend for his 2 shirts?



- 9. Mingmei buys 3 smart bulbs in a set for \$30. She saved \$6 by buying the set instead of buying the smart bulbs separately. If each smart bulb costs the same amount, how much does each of the 3 smart bulbs cost when purchased separately?
- 10. Loan saved \$60. Jeff saved 29 times as much as Loan did. Jeff saved 3 times as much as Marco. How much did Marco save? Explain how you found your answer.

Show the Math

Demonstrate Your Thinking

11. The grocery store has a sale on soup. One can costs \$2.59 but you can buy 8 cans for a total of \$16.00. How much do you save per can if you buy 8 at the sale price?

5 years. How much will he have at the end of

12. Yong plans to save \$55 each month for

5 years?

Problem Solving · Applications

Fill in the bubble completely to show your answer.

- 13. Zhi downloads 7 apps for a total of \$24. Two of them cost\$2.00 each. If the other apps all cost the same amount, how much does each cost?
 - (A) \$3.43 (C) \$4
 - **B** \$3.70 **D** \$4.25
- **14.** Jeremiah spends \$51.25 at the mall. He buys a game for \$24.25 and 3 packs of neon light sticks. If the packs are all the same price, how much does 1 pack cost?
 - (A) \$15
 (C) \$25
 (B) \$8
 (D) \$9
- 15. Delilah buys a loaf of bread, 3 pounds of turkey, and 2 pounds of cheese. The turkey costs \$3.00 per pound and the cheese costs \$2.00 per pound. A loaf of bread costs \$3.49. How much does Delilah spend in all?
 - **(A)** \$13.75
 - **B** \$16.49
 - **(C)** \$8.49
 - **D** \$17.49
- **16.** While working at the school store, Jermyn sold a letter jacket for \$40.50 and some notebooks for \$2.00 each. If he collected a total of \$92.50, how many notebooks did he sell?
 - **A** 25
 - **B** 66
 - **(C)** 26
 - **D** 104

Solve Multistep Money Problems

LESSON 13.6 Practice and Homework

Go Online Interactive Examples

- 1. You can buy 4 movies for \$16. One movie costs \$5.98. How much do you save per movie if you buy 4 at the sale price?
- **2.** Jaime sold a coat for \$51.67 and some scarves for \$6 each. The total for the receipts was \$123.67. How many scarves did he sell?

Problem Solving Real

3. Margie bought 3 identical sweaters for a total of \$114. She saved\$18 by buying the 3 sweaters on sale rather than at the regular price. What is the regular price of each sweater? Explain how you found the answer.

4. Keira rented a car for 3 days. She paid \$118 rent each day. Insurance for the 3 days came to a total of \$35. How much did Keira pay in all? Explain how you found your answer.

Lesson Check

Fill in the bubble completely to show your answer.

- 5. The Wallace family saves the same amount of money each month for vacation. From January 1 to September 30 they saved \$1,314. How much does the Wallace family save each month for vacation?
 - **A** \$156
 - **B** \$131
 - **(C)** \$146
 - **D** \$152
- 7. Iago spent \$49 at the fair. Gratia spent \$14 more than twice as much as Iago spent. How much did the two of them spend in all?
 - **A** \$112
 - **B** \$161
 - **(C)** \$126
 - **D** \$140

- 6. A coach bought 3 dozen soccer balls. Each ball cost \$28. How much did the coach pay for all of the soccer balls? (Remember, 1 dozen = 12.)
 - **(A)** \$84
 - **B** \$840
 - **(C)** \$336
 - **D** \$1,008
- 8. Paula bought 8 pairs of socks. She paid \$104. Two pairs of socks cost \$16 each. The other pairs each cost the same amount. How much did each of the other pairs of socks cost?
 - **A** \$12
 - **B** \$17
 - **(C)** \$13
 - **D** \$18

Spiral Review

Solve.

 26×44

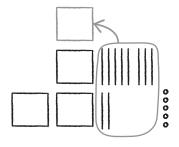
7,640 ÷ 5_____

6 × 1,336

Chapter Review

1. The school is 3.65 miles from Tonya's house and 1.28 miles from Jamal's house. How much farther from school is Tonya's house than Jamal's house? Explain how you can use a quick picture to solve the problem.

2. Clayton Road is 2.25 miles long. Wood Pike Road is 1.8 miles long. Kisha used a quick picture to find the combined length of Clayton Road and Wood Pike Road. Does Kisha's work make sense? Explain why or why not.





3. The park is 1.4 miles from Vincent's house. The library is 0.8 miles from the park. Vincent walks from his house to the park. Then he walks from the park to the library. How far does Vincent walk?

miles



4. Find the sum.

44.81		
+ 6.20		
	l	

5. Amber has a large gold coin that weighs 1.3 ounces and 2 small gold coins that each weigh 0.6 ounce.

Part A

If Amber places the large gold coin in her left hand and the 2 small gold coins in her right hand, which hand will be holding more weight? Explain.

Part B

How much do the 3 gold coins weigh altogether?

Part C

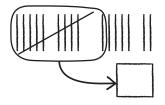
Amber wants to buy another gold coin so that she has 4 ounces of gold coins altogether. How much should the gold coin weigh? Explain.

6. Charis saves \$10.25 in January and \$8.30 in February. How much money does she need to save to have \$20 in all?

\$

Name _

7. Yi buys 0.9 pound of cheddar cheese and 0.7 pound of swiss cheese. He draws a picture to help find the total weight of cheese.



What is the total weight of the cheese Yi buys?

____ pounds

- 8. The Smiths are on a summer road trip. They travel 10.9 hours the first day, 8.6 hours the second day, and 12.4 hours the final day. How may hours does the Smith family travel during the three-day trip?
 - (A) 31.9 hours
 - **(B)** 3.8 hours
 - C 23.3 hours
 - **D** 19.5 hours
- **9.** Ferdinand is rowing a boat across a pond that is 24.9 meters wide. He paddles 13.6 meters. How many more meters does he need to paddle to reach the other side of the pond?

meters

10. Write the unknown number for *n*.

n - 4.88 = 10.64

n = _____

11. Find the difference.

	1.5
_	0.7

12. The difference of two numbers is 3.7. The greater number is 10.5.

Part A

What is the other number? Explain.

Part B

What is the sum of the two numbers? Explain.

- **13.** Ken had a balance of \$1,150.00 in his checking account. He withdrew \$85.35 to buy groceries. One week later he deposited \$250.00 into his checking account. What is the balance in his checking account now?
 - **(A)** \$1,314.65
 - **B** \$900.00
 - © \$335.35
 - **D** \$1,335.35

Name _

- 14. During one week, Morgan jogged 51.2 kilometers, Karen jogged 53.52 kilometers, and Kelly jogged 6 kilometers less than Morgan. How many more kilometers did Karen jog that week than Kelly?
 - (\mathbf{A}) 104.72 kilometers
 - (B) 8.32 kilometers
 - **C** 45.2 kilometers
 - **D** 57.2 kilometers
- **15.** The book store has a sale on books. One book costs \$7.79 but you can buy 3 books for a total of \$21.00. How much total do you save per book if you buy 3 at the sale price?

16. Marcus read for 1.2 hours in the morning and 2.4 hours in the afternoon. How many hours did he read altogether?

hours

17. What is the sum of 3.2 and 6.9?

- **A** 3.7
- **B** 9.1
- **(C)** 10.1
- **D** 10.2

- **18.** A tailor has 2.3 yards of fabric. She needs 9.6 yards of fabric to make a window treatment. How many more yards of fabric does she need to have enough to make the window treatment?
 - (\mathbf{A}) 4.6 yards
 - (\mathbf{B}) 7.3 yards
 - **(C)** 9.9 yards
 - **D** 11.9 yards
- **19.** The sum of a number and 5.1 is 7.4. What is the number? Explain how you know.
- **20.** Match each expression with its sum or difference.

5.2 + 2.1	•	• 9.2
1.3 + 7.9	•	• 6.3
8.8 - 2.5	•	• 7.3
1.4 - 0.6	•	• 0.8

21. Yosif buys a loaf of bread, 2 pounds of apples, and 3 pounds of cheese. The apples cost \$0.88 per pound and the cheese costs \$2.15 per pound. The loaf of bread costs \$3.87. How much does Yosif spend in all?

\$_____

- **22.** Find one tenth more than the number.
 - **a.** 4.56 _____

b. 7.92

- **23.** Find one hundredth more than the number.
 - **a.** 7.29 _____ **b.** 2.5 _____