Date Time

LESSON 12•5

Unit Pricing

SRB 47

Math Message

1. Use your calculator to divide. Write down what the calculator displays for each quotient. Your teacher will tell you how to fill in the answer spaces for "cents."

   a. $9.52 ÷ 7 = $____._____, or _____ cents

   b. $1.38 ÷ 6 = $____._____, or _____ cents

   c. $0.92 ÷ 8 = $____._____, or _____ cents

   d. $0.98 ÷ 6 = $____._____, or about _____ cents

   e. $1.61 ÷ 9 = $____._____, or about _____ cents

2. A package of 6 fruit bars costs $2.89. What is the price of 1 fruit bar? _____ cents

3. A 15-ounce bottle of shampoo costs $3.89. What is the price per ounce? _____ cents

4. Brand A: a box of 16 crayons for 80 cents
   Brand B: a box of 32 crayons of the same kind for $1.28

   Which box is the better buy? _____

   Why? _____

Try This

5. A store sells a 3-pound can of coffee for $7.98 and a 2-pound can of the same brand for $5.98. You can use a coupon worth 70 cents toward the purchase of the 2-pound can. If you use the coupon, which is the better buy, the 3-pound can or the 2-pound can? Explain your answer.

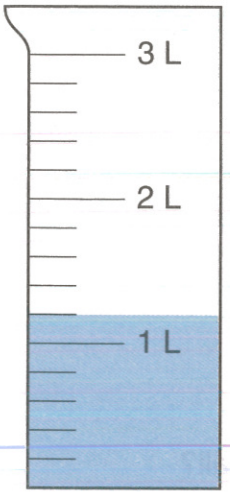
Date Time

LESSON 12·5

Investigating Liters and Milliliters

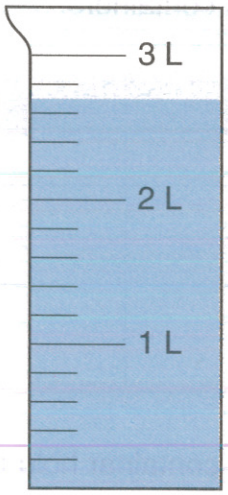
Write the amount of liquid shown in liters.

1.



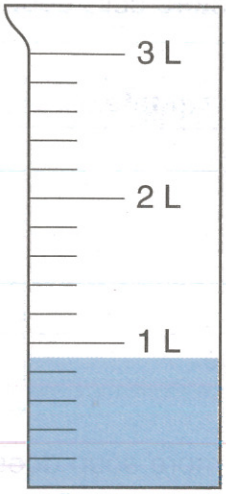
_____ liters

2.



_____ liters

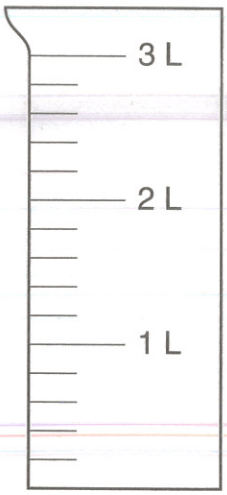
3.



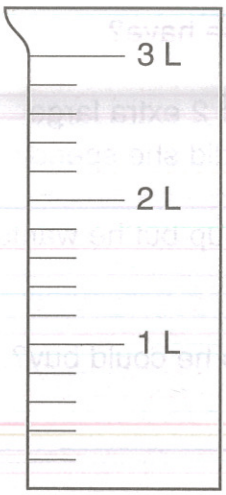
_____ liters

Shade each pitcher to show the appropriate amount in milliliters.
Then record the amount in liters.

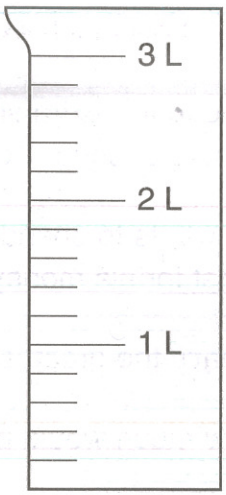
4. 2,400 mL = _____ L



5. 500 mL = _____ L



6. 1,950 mL = _____ L



Date Time

LESSON 12·5

Investigating Liters and Milliliters *continued*

Solve. You may draw pictures to help you.

Maria Elena's store sells soup in various sized containers.

Size of Container	Amount	Price
Extra small	250 mL	$1.50
Small	500 mL	$2.45
Medium	1 L	$4.80
Large	1.5 L	$6.25
Extra large	2 L	$8.50

1. How much more soup does the extra large container hold than the extra small?

   _____

2. Lucius bought 1 extra small, 1 medium, and 3 small containers of soup. How many liters of soup did he buy? _____ L

3. Kamu bought 3 large containers of soup. She needs 4,000 mL of soup.

   a. Does she have enough? _____

   b. If so, how much extra soup does she have? _____

4. Sally bought 1 extra small, 1 small, and 2 extra large containers of soup. How much money did she spend? _____

5. Rocco wants to spend $8 or less on soup but he wants to get the most for his money.

   a. What's the greatest amount of soup he could buy? _____

   b. How much would he spend? _____

6. Write and solve your own problem.

   _____

   _____

   _____

Date Time

LESSON 12•5

Math Boxes

1. Multiply. Show your work.

46 * 231 = _____

SRB 18 19

2. a. Complete the table.

Number of Cups		32			272
Number of Gallons	1	2	9	12	

b. How many cups are in $5\frac{3}{4}$ gallons?

_____ cups

SRB 47

3. An average 10-year-old drinks about 20 *gallons* of soft drinks per year.

At that rate, about how many *cups* does a 10-year-old drink in a month?

_____

SRB 47

4. Subtract.

a. +$9 − (+$4) = _____

b. +$8 − (−$3) = _____

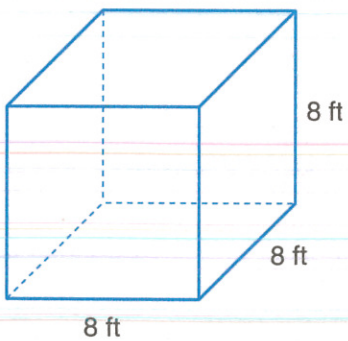
c. −$7 − (+$15) = _____

d. −$6 − (+$1) = _____

e. −$14 − (−$9) = _____

SRB 60

5. Calculate the volume.



Number model: _____

Volume = _____ ft^3

SRB 138

6. A 3-ounce bag of corn chips costs $0.65. A 14-ounce bag of corn chips costs $2.79.

a. What is the price per ounce of each bag? (Round to the nearest cent.)

3-oz bag: _____

14-oz bag: _____

b. Which bag of chips is the better buy?

_____

SRB 47

Name Date Time

STUDY LINK 12•5

Unit Pricing

SRB 47

1. A package of 3 muffins costs $1.89.
   What is the price *per muffin?* _____

2. A 5-pound bag of rice costs $1.85.
   What is the price *per pound?* _____

3. Chewy worms are sold at $2.40 per pound.
   What is the price *per ounce?* _____

4. A 6-pack of bagels costs $2.11.
   What is the price *per bagel?* _____

5. A 2-pound bag of frozen corn costs $2.03.
   What is the price *per pound?* _____

6. A store sells yogurt in two sizes: The 8-ounce cup costs 72 cents, and the 6-ounce cup costs 60 cents. Which is the better buy? Explain your answer.

_____

_____

_____

_____

7. Make up your own "better buy" problem. Then solve it.

_____

_____

_____

_____

_____

Practice

Name all the factors.

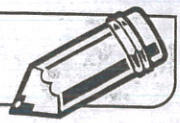
8. 42 _____

9. 23 _____

Name Date Time

LESSON 12•5

Which is the Better Buy?



For each problem, draw pictures and use bills and coins to decide which product is the better buy.

1. A 12-oz bottle of sports drink costs $0.75.
A six-pack of 12-oz sports drink costs $3.60.

Which is the better buy? _____
Explain how you know.

2. One pencil costs $0.10. A box of 12 pencils costs $1.80.

Which is the better buy? _____
Explain how you know.

3. A cup of yogurt costs $0.90. A four-pack of yogurt costs $3.00.

Which is the better buy? _____
Explain how you know.

4. Write and solve your own "better buy" problem.

_____

_____

_____