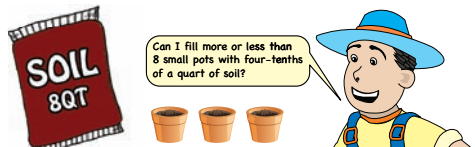


### Strategies for Dividing Decimals

A gardener wants to plant seeds in small pots. He has an 8-quart bag of potting soil. He needs to fill each pot with 0.4 of a quart of soil.



Can I fill more or less than 8 small pots with four-tenths of a quart of soil?

1. Work with a partner to find how many pots the gardener can fill with 0.4-quart of potting soil.

**Divide by Tens**

Use estimation and patterns to solve the problems. Use a calculator to check your answers.

2. A. $10,000 \div 1 =$	3. A. $250 \div 1 =$
B. $10,000 \div 10 =$	B. $250 \div 10 =$
C. $10,000 \div 100 =$	C. $250 \div 100 =$
D. $10,000 \div 1000 =$	D. $250 \div 1000 =$
E. $10,000 \div 10,000 =$	E. $250 \div 10,000 =$

4. A.  $15 \div 3 =$

B.  $15 \div 30 =$

C.  $15 \div 300 =$

D.  $15 \div 3000 =$

E.  $15 \div 30,000 =$

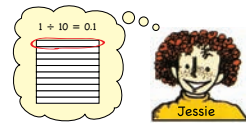
5. A.  $1 \div 1 =$

B.  $1 \div 10 =$

C.  $1 \div 100 =$

D.  $1 \div 1000 =$

E.  $1 \div 10,000 =$



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Strategies for Dividing Decimals SG • Grade 5 • Unit 8 • Lesson 11 411

**Student Guide - Page 411**

## Student Guide

### Strategies for Dividing Decimals (SG pp. 411–418)

#### Questions 1–30

- 1.\* 20 pots; Solution strategies will vary. See Figure 2 in Lesson 11 for examples.
2. A.  $10,000 \div 1 = 10,000$   
 B.  $10,000 \div 10 = 1000$   
 C.  $10,000 \div 100 = 100$   
 D.  $10,000 \div 1000 = 10$   
 E.  $10,000 \div 10,000 = 1$
3. A.  $250 \div 1 = 250$   
 B.  $250 \div 10 = 25$   
 C.  $250 \div 100 = 2.5$   
 D.  $250 \div 1000 = .25$   
 E.  $250 \div 10,000 = .025$
4. A.  $15 \div 3 = 5$   
 B.  $15 \div 30 = .5$   
 C.  $15 \div 300 = 0.05$   
 D.  $15 \div 3000 = 0.005$   
 E.  $15 \div 30,000 = 0.0005$
5. A.  $1 \div 1 = 1$   
 B.  $1 \div 10 = 0.1$   
 C.  $1 \div 100 = .01$   
 D.  $1 \div 1000 = .001$   
 E.  $1 \div 10,000 = .0001$

\*Answers and/or discussion are included in the lesson.

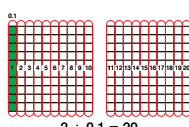
6. **A.\*** A number gets 10 times smaller each time you divide it by a ten.  
**B.\*** The decimal point moves one place to the left each time you divide by ten.  
**C.\*** Possible response: Dividing a number by a ten is different than multiplying a number by ten. It is the opposite. The number gets larger. When you multiply by a ten, you move the decimal point one place to the right each time you multiply by ten.  
**D.\*** Since dividing is the opposite of multiplying, if you multiply the quotient by the divisor, it should equal the dividend.
7. 20 rows
8. **A.\*** 10 tenths  
**B.\*** 20 tenths  
**C.\*** 100 tenths
9. **A.\*** 100 hundred hundredths; 200 hundredths  
**B.\*** 2000 thousandths  
**C.\*** 2000; Possible response: Since I know there are 2000 thousandths in 2 flats, I can think 2000 thousandths divided by 1 thousandth, which is 2000. I know that is reasonable because I am trying to find out how many groups of 0.001 are in 2. There will be a lot because one-thousandths are so tiny.

6. **A.** What happens when you divide a number by a ten?  
**B.** How does the decimal point move when you divide a number by a ten?  
**C.** How is this different from when you multiplied a number by a ten?  
**D.** How can you use multiplication to check the quotient?

**Divide by Decimals Less Than 1**


7. The gardener wants to divide his garden into 0.1-meter rows. The length of his garden is 2 meters. Work with a partner to find how many rows the gardener can make.

8. This shows 2 divided by one-tenth using a grid:



$2 \div 0.1 = 20$

How many tenths are in 2?  $2 \div 0.1$  is the same as 20 tenths divided by 1 tenth = 20.

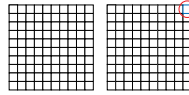


Ming

Use the model.

**A.** How many tenths are in one whole?  
**B.** How many tenths are in 2 wholes?  
**C.** How many tenths are in 10 wholes?

9. Each small square on the grid shows 0.01.



$2 \div 0.01 = 200$

← 0.01 of the whole grid

**A.** How many hundredths are in one whole? Two wholes?  
**B.** How many thousandths are in two wholes?  
**C.** Solve  $2 \div 0.001$ . How do you know your answer is reasonable?

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412 SG • Grade 5 • Unit 8 • Lesson 11 Strategies for Dividing Decimals

Student Guide - Page 412

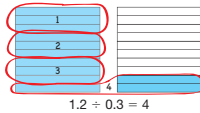
# Answer Key • Lesson 11: Strategies for Dividing Decimals

Use estimation and patterns to solve the problems. Use a calculator and multiplication to check your answers.

10. A.  $10 \div 1 =$   
 B.  $10 \div 0.1 =$   
 C.  $10 \div 0.01 =$   
 D.  $10 \div 0.001 =$   
 E.  $10 \div 0.0001 =$
11. A.  $3 \div 1 =$   
 B.  $3 \div 0.1 =$   
 C.  $3 \div 0.01 =$   
 D.  $3 \div 0.001 =$   
 E.  $3 \div 0.0001 =$
12. A.  $10 \div 2 =$   
 B.  $10 \div 0.2 =$   
 C.  $10 \div 0.02 =$   
 D.  $10 \div 0.002 =$   
 E.  $10 \div 0.0002 =$
13. A.  $6 \div 2 =$   
 B.  $6 \div 0.2 =$   
 C.  $6 \div 0.02 =$   
 D.  $6 \div 0.002 =$   
 E.  $6 \div 0.0002 =$
14. Can you predict the quotient when you divide a whole number by a decimal less than 1? Will it be more or less than the dividend?
15. A. What happens to the quotient when you divide by 0.1, then 0.01, and then 0.001?  
 B. How is this different from when you divided by 10, 100, and 1000? Why?

### Model and Divide

Jason used tenths grids to model  $1.2 \div 0.3$ .



$$1.2 \div 0.3 = 4$$

How many groups of 0.3 are in 1.2? I divide 1.2 into 4 groups of 0.3 each.



16. Use base-ten pieces or the tenths grids on the *Grids* page in the *Student Activity Book* to model and solve the division problems.
- A.  $3.6 \div 0.6 =$       B.  $2.8 \div 0.7 =$       C.  $3 \div 0.5 =$   
 D.  $3.2 \div 0.4 =$       E.  $2.4 \div 0.8 =$       F.  $1.8 \div 0.3 =$
17. Julia said, "I know 4 is the same as 40 tenths. It's easier for me to think of  $4 \div 0.8$  as 40 tenths divided by 8 tenths. Then I just think about the fact  $40 \div 8$ ."  
 A. Solve  $4 \div 0.8$  Julia's way: 40 tenths  $\div$  8 tenths = ?  
 B. Use base-ten pieces or grids to solve  $4 \div 0.8$ . Compare this quotient to your answer in Question A. Does Julia's strategy work?

Strategies for Dividing Decimals

SG • Grade 5 • Unit 8 • Lesson 11 413

10.  $10 \div 1 = 10$   
 $10 \div 0.1 = 100$   
 $10 \div 0.01 = 1000$   
 $10 \div 0.001 = 10,000$   
 $10 \div 0.0001 = 100,000$

11.  $3 \div 1 = 3$   
 $3 \div 0.1 = 30$   
 $3 \div 0.01 = 300$   
 $3 \div 0.001 = 3000$   
 $3 \div 0.0001 = 30,000$

12.  $10 \div 2 = 5$   
 $10 \div 0.2 = 50$   
 $10 \div 0.02 = 500$   
 $10 \div 0.002 = 5000$   
 $10 \div 0.0002 = 50,000$

13.  $6 \div 2 = 3$   
 $6 \div 0.2 = 30$   
 $6 \div 0.02 = 300$   
 $6 \div 0.002 = 3000$   
 $6 \div 0.0002 = 30,000$

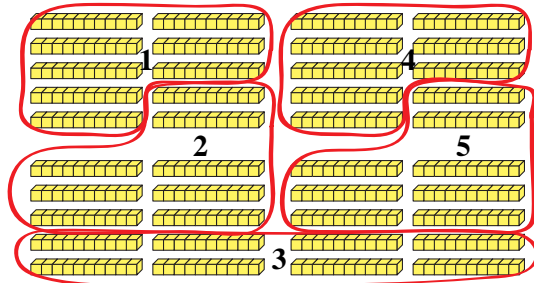
- 14.\* When you divide by a decimal less than 1, the quotient will be more than the dividend.
15. A.\* When you divided by tenths, hundredths, and thousandths, the quotient gets 10 times larger each time.

B.\* When you divide by tens, the quotient gets smaller.

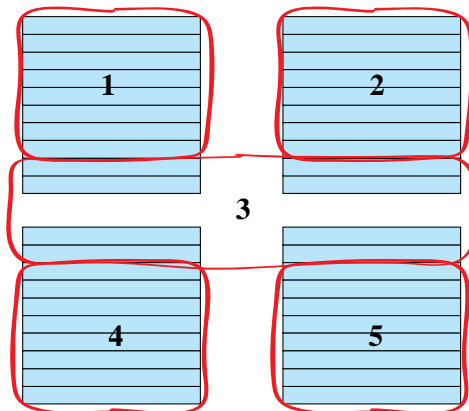
16. A. 6      B. 4      C. 6  
 D. 8      E. 3      F. 6

17. A. 5

B. Yes, Julie's strategy works. Using base-ten pieces:



Using grids:



\*Answers and/or discussion are included in the lesson.

18. A. 4  
 B. 30  
 C. 4  
 D. 4  
 E. 30  
 F. 7
19. I got the same quotient as Chris.
20. A. 30  
 B. 30  
 C. No  
 D. The quotients are the same.
21. A. 300  
 B. 300  
 C. 300  
 D. All the quotients are the same. Possible response:  $(21 \times 100) \div (0.07 \times 100)$  was easiest for me to solve.  
 D. Yes,  $(21 \times 100) \div (0.07 \times 100) = 21 \div 0.07$  is a true statement. The equations on both sides of the equal sign result in 300.
22. Solution strategies will vary. A sample strategy is given for each problem.
- A. 5; Thinking about base-ten pieces:  
 $4.5 \div 0.9 =$   
 $45 \text{ tenths} \div 9 \text{ tenths} = 5$
- B. 21; Using hundredths grid:
- 
- C. 24; I know 0.5 is half. Each whole will have 2 halves, so 12 wholes will have 24 halves.
- D. 30; Multiplying both the dividend and divisor by 100:  
 $(3.6 \times 100) \div (0.12 \times 100) =$   
 $360 \div 12 = 30$
- E. 3;  $18 \text{ hundredths} \div 6 \text{ hundredths} = 3$
- F. 40; Using expanded form:  
 $1.6 \div 0.04 = (1 + 0.6) \div 0.04$   
 $= (100 \text{ hundredths} \div 4 \text{ hundredths}) +$   
 $(60 \text{ hundredths} \div 4 \text{ hundredths})$   
 $= 25 + 15 = 40$
23. 35 containers

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Jessie used base-ten pieces to model  $0.8 \div 0.04$ .

8 tenths  $\div$  4 hundredths is the same as 80 hundredths  $\div$  4 hundredths.

$0.8 \div 0.04 = 20$

18. Use base-ten pieces or the hundredths grids on the *Grids* page in the *Student Activity Book* to model and solve the division problems.

A.  $0.2 \div 0.05 =$       B.  $0.9 \div 0.03 =$       C.  $0.16 \div 0.04 =$   
 D.  $0.28 \div 0.07 =$       E.  $1.2 \div 0.04 =$       F.  $0.21 \div 0.03 =$

19. Chris said, "It's hard for me to picture  $0.21 \div 0.03$ . It is easier to think about whole numbers when I divide. How can I move the decimal point to make 0.21 change to 21?"

If I multiply 0.21 by 100 it moves the decimal point two places to the right.  
 $0.21 \times 100 = 21$

To keep the problem the same, I will multiply 0.03 by 100, too.  
 $0.03 \times 100 = 3$

Now the problem becomes  $21 \div 3 = 7$ .

How does your quotient in Question 18F compare to Chris's answer?

20. Try this:  
 A. Model and solve  $6 \div 0.2$ . What is the quotient?  
 B. Multiply both the divisor and dividend in  $6 \div 0.2$  by 10. Solve  $(6 \times 10) \div (0.2 \times 10)$ . What is the quotient?  
 C. Compare your answers in Questions A and B. Does multiplying the divisor and dividend by 10 change the quotient?  
 D. Multiply both the divisor and dividend in  $6 \div 0.2$  by 100. Solve  $(6 \times 100) \div (0.2 \times 100)$ . Compare the quotient to your answers in Questions A and B. What do you notice?

414 SG • Grade 5 • Unit 8 • Lesson 11      Strategies for Dividing Decimals

Student Guide - Page 414

21. To use whole numbers to solve  $21 \div 0.07$ , multiply both the dividend and the divisor by 10, 100, and 1000.

A.  $(21 \times 10) \div (0.07 \times 10) =$   
 B.  $(21 \times 100) \div (0.07 \times 100) =$   
 C.  $(21 \times 1000) \div (0.07 \times 1000) =$   
 D. What did you notice? Which problem was easiest to solve?  
 E. Is  $(21 \times 100) \div (0.07 \times 100) = 21 \div 0.07$  a true statement? Why?

**Discuss**

**A Variety of Strategies**

Mr. Moreno presented his students with this problem:

A gardener is planting seeds in rows in his garden. He plants one seed every 4 centimeters, or every 0.04 of a meter. One row is 2.4 meters long. How many seeds will he plant in one row?

Mr. Moreno asked his students to solve  $2.4 \div 0.04$ .

Chris multiplied both the dividend and the divisor by 100 so he could divide whole numbers.

$(2.4 \times 100) \div (0.04 \times 100) = 240 \div 4 = 60$

Julia thought about base-ten pieces:

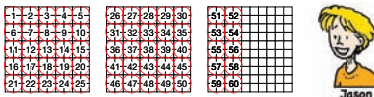
$2.4 = 100 \text{ hundredths} + 100 \text{ hundredths} + 40 \text{ hundredths}$   
 $240 \text{ hundredths} \text{ divided by } 4 \text{ hundredths is } 60.$

Strategies for Dividing Decimals      SG • Grade 5 • Unit 8 • Lesson 11 415

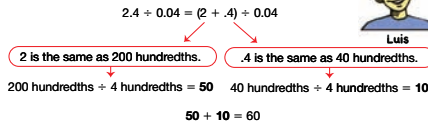
Student Guide - Page 415

# Answer Key • Lesson 11: Strategies for Dividing Decimals

Jason used grids to solve  $2.4 \div 0.04$ .



Luis thinks about expanded form:



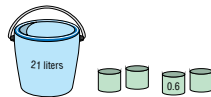
22. Use Chris, Julia, Jason, and Luis's strategies, or a strategy of your own, to solve the division problems. Show or tell how you solved the problems.

- A.  $4.5 \div 0.9 =$       B.  $0.63 \div 0.03 =$       C.  $12 \div 0.5 =$   
 D.  $3.6 \div .12 =$       E.  $0.18 \div .06 =$       F.  $1.6 \div 0.04 =$

### Use Paper and Pencil

Mr. Moreno presented the class with this problem:

A gardener has a bucket of water that holds 21 liters. He wants to fill smaller containers that can each hold 0.6 of a liter of water.



23. How many containers can the gardener fill completely with water?

24. Possible responses:

A. 
$$\begin{array}{r} 74. \\ 0.2 \overline{)14.8} \\ \underline{-140} \phantom{0} \\ 8 \phantom{0} \\ \underline{-8} \phantom{0} \\ 0 \end{array} \quad \begin{array}{l} 70 \\ 4 \\ 2 \end{array}$$

B. 
$$\begin{array}{r} 82. \\ 0.2 \overline{)16.4} \\ \underline{-160} \phantom{0} \\ 4 \phantom{0} \\ \underline{-4} \phantom{0} \\ 0 \end{array} \quad \begin{array}{l} 80 \\ 4 \\ 2 \end{array}$$

25. A. 
$$\begin{array}{r} 400. \\ 0.04 \overline{)16.00} \\ \underline{-1600} \phantom{0} \\ 0 \end{array} \quad \begin{array}{l} 400 \\ 50 \\ 25 \end{array}$$

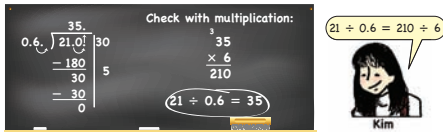
B. 
$$\begin{array}{r} 375. \\ 0.04 \overline{)15.00} \\ \underline{-1200} \phantom{0} \\ 300 \phantom{0} \\ \underline{-200} \phantom{0} \\ 100 \phantom{0} \\ \underline{-100} \phantom{0} \\ 0 \end{array} \quad \begin{array}{l} 300 \\ 50 \\ 25 \end{array}$$

26. A. 
$$\begin{array}{r} 8. \\ 0.09 \overline{)72} \\ \underline{-72} \\ 0 \end{array} \quad \begin{array}{l} 8 \\ 2 \end{array}$$

B.\* 
$$\begin{array}{r} 8.2 \\ 0.09 \overline{)0.738} \\ \underline{-720} \phantom{0} \\ 18 \phantom{0} \\ \underline{-18} \phantom{0} \\ 0 \end{array} \quad \begin{array}{l} 80 \\ 2 \end{array}$$

## Student Guide - Page 416

Kim solved the problem like this and then checked her division with multiplication:



Mr. Moreno added, "To keep the problem the same, when the decimal point in the divisor is moved to make a whole number, the decimal point in the dividend should be moved the same number of places."



Use partial quotients to solve the problems. Think of convenient numbers and facts to help you estimate the quotients.

24. A.  $14.8 \div 0.2 =$       25. A.  $16 \div 0.04 =$   
 B.  $16.4 \div 0.2 =$       B.  $15 \div 0.04 =$   
 26. A.  $0.72 \div 0.09 =$   
 B.  $0.738 \div 0.09 =$

### ✓ Check-In: Questions 27-30

27. Solve.  
 A.  $2.6 \div 1 =$   
 B.  $2.6 \div 10 =$   
 C.  $2.6 \div 100 =$   
 D.  $2.6 \div 1000 =$   
 E.  $2.6 \div 10,000 =$
28. Explain what happens to the decimal point when you divide a decimal by a ten.
29. Solve the problems using any strategy.  
 A.  $2.7 \div 0.3 =$       B.  $0.56 \div 0.08 =$   
 C.  $6 \div 0.5 =$       D.  $2.5 \div 0.05 =$
30. Choose one problem from Question 29. Explain how to estimate the quotient to make sure your answer is reasonable.

## Student Guide - Page 418

\*Answers and/or discussion are included in the lesson.

# 5 TG • Grade 5 • Unit 8 • Lesson 11 • Answer Key

**Homework (SG p. 419)**

**Questions 1–12**

1. A.  $4.6 \times 1 = 4.6$   
 B.  $4.6 \times 10 = 46$   
 C.  $4.6 \times 100 = 460$   
 D.  $4.6 \times 1000 = 4600$   
 E.  $4.6 \times 10,000 = 46,000$
2. A.  $0.4 \times 7 = 2.8$   
 B.  $0.4 \times 70 = 28$   
 C.  $0.4 \times 700 = 280$   
 D.  $0.4 \times 7000 = 2800$   
 E.  $0.4 \times 70,000 = 28,000$
3. A.  $1.7 \times 1 = 1.7$   
 B.  $1.7 \times 0.1 = 0.17$   
 C.  $1.7 \times 0.01 = 0.017$   
 D.  $1.7 \times 0.001 = 0.0017$   
 E.  $1.7 \times 0.0001 = 0.00017$
4. A.  $3 \times 9 = 27$   
 B.  $3 \times 0.9 = 2.7$   
 C.  $3 \times 0.09 = 0.27$   
 D.  $3 \times 0.009 = 0.027$   
 E.  $3 \times 0.0009 = 0.0027$
5. A.  $3.6 \div 1 = 3.6$   
 B.  $3.6 \div 10 = .36$   
 C.  $3.6 \div 100 = .036$   
 D.  $3.6 \div 1000 = .0036$   
 E.  $3.6 \div 10,000 = .00036$
6. A.  $3.6 \div 6 = .6$   
 B.  $3.6 \div 60 = .06$   
 C.  $3.6 \div 600 = .006$   
 D.  $3.6 \div 6000 = .0006$   
 E.  $3.6 \div 60,000 = .00006$
7. A.  $24 \div 1 = 24$   
 B.  $24 \div 0.1 = 240$   
 C.  $24 \div 0.01 = 2400$   
 D.  $24 \div 0.001 = 24,000$   
 E.  $24 \div 0.0001 = 240,000$
8. A.  $2.4 \div 0.6 = 4$   
 B.  $2.4 \div 0.06 = 40$   
 C.  $2.4 \div 0.006 = 400$   
 D.  $2.4 \div 0.0006 = 4000$   
 E.  $2.4 \div 0.00006 = 40,000$

**Homework**

Solve using any method you choose.

<ol style="list-style-type: none"> <li>1. A. <math>4.6 \times 1 =</math>                      B. <math>4.6 \times 10 =</math>                      C. <math>4.6 \times 100 =</math>                      D. <math>4.6 \times 1000 =</math>                      E. <math>4.6 \times 10,000 =</math></li> <li>3. A. <math>1.7 \times 1 =</math>                      B. <math>1.7 \times 0.1 =</math>                      C. <math>1.7 \times 0.01 =</math>                      D. <math>1.7 \times 0.001 =</math>                      E. <math>1.7 \times 0.0001 =</math></li> <li>5. A. <math>3.6 \div 1 =</math>                      B. <math>3.6 \div 10 =</math>                      C. <math>3.6 \div 100 =</math>                      D. <math>3.6 \div 1000 =</math>                      E. <math>3.6 \div 10,000 =</math></li> <li>7. A. <math>24 \div 1 =</math>                      B. <math>24 \div 0.1 =</math>                      C. <math>24 \div 0.01 =</math>                      D. <math>24 \div 0.001 =</math>                      E. <math>24 \div 0.0001 =</math></li> <li>9. A. <math>15 \div 3 = n</math>                      B. <math>n \times 3 = 15</math>                      C. <math>15 \div 0.3 = n</math>                      D. <math>n \times 0.3 = 15</math></li> <li>11. A. <math>24 \div 2 = n</math>                      B. <math>n \times 2 = 24</math>                      C. <math>24 \div 0.2 = n</math>                      D. <math>n \times 0.2 = 24</math></li> </ol>	<ol style="list-style-type: none"> <li>2. A. <math>0.4 \times 7 =</math>                      B. <math>0.4 \times 70 =</math>                      C. <math>0.4 \times 700 =</math>                      D. <math>0.4 \times 7000 =</math>                      E. <math>0.4 \times 70,000 =</math></li> <li>4. A. <math>3 \times 9 =</math>                      B. <math>3 \times 0.9 =</math>                      C. <math>3 \times 0.09 =</math>                      D. <math>3 \times 0.009 =</math>                      E. <math>3 \times 0.0009 =</math></li> <li>6. A. <math>3.6 \div 6 =</math>                      B. <math>3.6 \div 60 =</math>                      C. <math>3.6 \div 600 =</math>                      D. <math>3.6 \div 6000 =</math>                      E. <math>3.6 \div 60,000 =</math></li> <li>8. A. <math>2.4 \div 0.6 =</math>                      B. <math>2.4 \div 0.06 =</math>                      C. <math>2.4 \div 0.006 =</math>                      D. <math>2.4 \div 0.0006 =</math>                      E. <math>2.4 \div 0.00006 =</math></li> <li>10. A. <math>25 \div 5 = n</math>                      B. <math>n \times 5 = 25</math>                      C. <math>25 \div 0.5 = n</math>                      D. <math>n \times 0.5 = 25</math></li> <li>12. A. <math>56 \div 7 = n</math>                      B. <math>n \times 7 = 56</math>                      C. <math>56 \div 0.7 = n</math>                      D. <math>n \times 0.7 = 56</math></li> </ol>
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Use estimation and patterns to solve the problems. Use a calculator and multiplication to check your answers.

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Strategies for Dividing Decimals
SG • Grade 5 • Unit 8 • Lesson 11 419

**Student Guide - Page 419**

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>9. A. <math>15 \div 3 = 5</math><br/>                     B. <math>5 \times 3 = 15</math><br/>                     C. <math>15 \div 0.3 = 50</math><br/>                     D. <math>50 \times 0.3 = 15</math></li> <li>11. A. <math>24 \div 2 = 12</math><br/>                     B. <math>12 \times 2 = 24</math><br/>                     C. <math>24 \div 0.2 = 120</math><br/>                     D. <math>120 \times 0.2 = 24</math></li> </ol> | <ol style="list-style-type: none"> <li>10. A. <math>25 \div 5 = 5</math><br/>                     B. <math>5 \times 5 = 25</math><br/>                     C. <math>25 \div 0.5 = 50</math><br/>                     D. <math>50 \times 0.5 = 25</math></li> <li>12. A. <math>56 \div 7 = 8</math><br/>                     B. <math>8 \times 7 = 56</math><br/>                     C. <math>56 \div 0.7 = 80</math><br/>                     D. <math>80 \times 0.7 = 56</math></li> </ol> |
|---|--|



**Teacher Guide**

**Decimal Quiz (TG)  
Questions 1–10**

1.  $0.222 < 0.4 < 0.47 < 1.03$
2. **A.** 0.462                      **B.** 0.43
3. 5.202
4. 3.858.

Estimates will vary for Questions 5–7.

5. 3.56 is close to 4 and .5 is  $\frac{1}{2}$ . Therefore, the product should be close to 2.
6. 12.67 is close to 13 and 0.9 is close to 1. Therefore, the product should be close to 13.
7. 0.8 is close to 1. The quotient will be a little more than 2.

8.  $10.35 \times 6.9$

$$\begin{array}{r}
 10.35 \\
 \times 6.9 \\
 \hline
 9315 \\
 62100 \\
 \hline
 71415
 \end{array}$$

9.  $2.835 \times 0.3$

$$\begin{array}{r}
 2.835 \\
 \times 0.3 \\
 \hline
 8505 \\
 \hline
 8505
 \end{array}$$

10. Strategies will vary. Possible solution: Multiply the divided and divisor by 10.  
 $(1.8 \times 10) \div (0.3 \times 10) = 18 \div 3 = 6$

Name \_\_\_\_\_ Date \_\_\_\_\_

**Decimal Quiz**

1. Place these decimals in order from smallest to largest: 1.03, 0.222, 0.4, 0.47
2. **A.** Write  $\frac{462}{1000}$  as a decimal. \_\_\_\_\_  
**B.** Round the decimal in Question 2A to the nearest hundredth. \_\_\_\_\_
3. Add:  $4.53 + 0.672$                       4. Subtract:  $4.53 - 0.672$

Estimate the answer to the following problems. Explain your estimates.

5.  $3.56 \times .5$
6.  $12.67 \times 0.9$
7.  $2 \div 0.8$

Use a paper-and-pencil method to solve the following problems.

8.  $6.9 \times 1.5 =$                       9.  $9.45 \times 0.3 =$
10. Use any strategy to solve  $1.8 \div 0.3$ .

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