

NAME \_\_\_\_\_

Module 5    Decimal Operations, Exponents, and Powers  
Lesson 5    Dividing Decimals

# Independent Practice

## 5.5

**Estimate.**

1.  $47.6 \div 11.9$

2.  $115.65 \div 38.12$

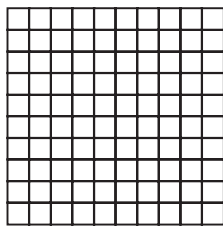
3.  $71.2 \div 36.88$

4.  $487.73 \div 4.6$

**Divide using a model.**

5. If \$18.31 is divided evenly among six friends, how much does each friend receive? What, if anything, is left over?

6. How many nickels are in \$0.58? If necessary, express the remainder as a decimal part of a nickel.



7. How many quarters are in \$2.15? If necessary, express the remainder as a decimal part of a quarter.

**Estimate and divide.**

8.  $6 \div 16$

9.  $7 \div 11$

10.  $98.6 \div 29$

11.  $88.8 \div 16$

12.  $8.1 \div 1.8$

13.  $52.64 \div 9.4$

14.  $723.6 \div 20.1$

15.  $13.062 \div .042$

16.  $71.877 \div 0.97$

**Simplify.**

17.  $50.676 \div (3.2 + 9.1)$

18.  $19.2 \div 6 \div 1.5$

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**Module 5**    **Decimal Operations, Exponents, and Powers**  
**Lesson 5**    **Dividing Decimals**

**Journal**

1. Find each quotient.

$$10.8 \div 3$$
$$10.8 \div 0.3$$

Compare the quotients and dividends. How does dividing by a number greater than one compare to dividing by a number between zero and one?

2. Jasmeen incorrectly divided as shown below. Find and explain her error.

$$\begin{array}{r} .24 \\ 16 \overline{)3.264} \\ \underline{-3.2} \phantom{0} \\ 064 \\ \underline{-64} \\ 0 \end{array}$$

3. Tory and Greg need to solve  $13.77 \div 16.2$ . Tory thinks that each decimal point should be moved one place to the right and Greg thinks each decimal point should be moved two places to the right. Who is correct and why?

**Cumulative Review**

**Round each decimal to the nearest whole number, tenth, and hundredth.**

1. 11.226

2. 0.2481

3. 0.941

Use  $<$ ,  $>$ , or  $=$  to compare each pair of numbers.

4. 4.2 and 4.02

5. 5% and 0.5

6. -3.5 and -3.500

7.  $\frac{1}{3}$  and 0.33

Evaluate each expression.

8.  $0.26 + 2.6$

9.  $5.81 + 22.09$

10.  $12.757 + 3.98$

11.  $1.5 - 0.02$

12.  $120.45 - 76.14$

13.  $99 - 3.01$

Evaluate each expression.

14.  $0.8 \times 4$

15.  $0.15 \times 1,000$

16.  $2.56 \times 1.9$

17.  $4.05 \times 3.12$

# Additional Work Area