

# Independent Practice

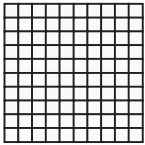
## 5.4

NAME \_\_\_\_\_

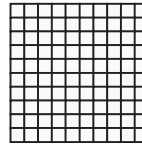
Module 5    Decimal Operations, Exponents, and Powers  
Lesson 4    Multiplying Decimals

Use a model to solve.

1.  $6 \times 0.02$



2.  $0.5 \times 0.4$



Multiply.

3.  $0.44 \times 100$

4.  $3.65 \times 1,000$

5.  $7.5 \times 10$

6.  $9.055 \times 100$

Estimate before multiplying.

7.  $32.75 \times 0.95$

8.  $14.7 \times 8.2$

Multiply.

9.  $4.8 \times 1.3$

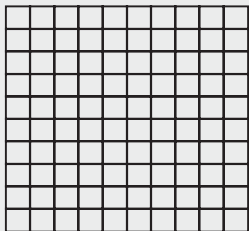
10.  $5.83 \times 1.01$

11.  $9.1 \times 0.004$

12.  $0.801 \times 340.2$

## Journal

1. How are the models to find  $0.3 \times 2$  and to find  $2 \times 0.3$  the same? How are they different?
2. Model  $0.5 \times 0.1$ . Use the model to explain why 0.5 is the same as  $\frac{1}{2}$ . Give the answer to the multiplication in your explanation.



3. Nate multiplied  $4.6 \times 3.0$  as shown below. Find and explain his error.

$$\begin{array}{r} 4.6 \\ \times 3.0 \\ \hline 1.38 \end{array}$$

4. Helene multiplied 24.6 by 10,000,000. She counted seven zeros in the second factor and added seven zeros to the first factor for an answer of 2,460,000,000. What is wrong with her reasoning? What is the correct answer? Explain how to tell how many zeros are in the product of  $1.3769 \times 10,000,000,000$  just by looking at the problem.

## Cumulative Review

Round to the nearest tenth and then to the nearest hundredth.

1. 5.605
2. 0.4648
3. 4.599

NAME \_\_\_\_\_

**Module 5**    **Decimal Operations, Exponents, and Powers**  
**Lesson 4**    **Multiplying Decimals**

**Order each set of numbers from least to greatest.**

4. 0.1, -0.1, -1, 0.001

5. -0.45,  $-\frac{1}{2}$ , -0.3

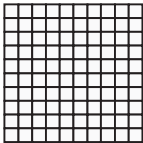
**Estimate.**

6. \$21.09 + \$5.92

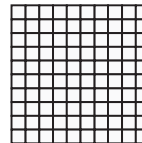
7. \$19.88 + \$8.90

**Find the sum or difference using a model.**

8.  $0.38 + 0.02$



9.  $0.4 - 0.3$



**Find the sum or difference.**

10.  $4.12 + 9.084$

11.  $100.55 - 25.65$

12.  $6.8 - 2.387$

# Additional Work Area