

**LESSON**  
**5-3**

# Multiplying Decimals

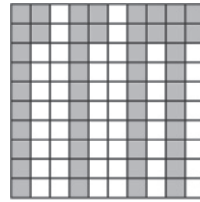
## Reteach

You can use a model to help you multiply a decimal by a whole number.

Find the product of 0.12 and 4.

Use a 10-by-10 grid. Shade 4 groups of 12 squares.

Count the number of shaded squares. Since you have shaded 48 of the 100 squares,  $0.12 \times 4 = 0.48$ .



**Find each product.**

1.  $0.23 \times 3$

2.  $0.41 \times 2$

3.  $0.01 \times 5$

4.  $0.32 \times 2$

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5.  $0.15 \times 3$

6.  $0.42 \times 2$

7.  $0.04 \times 8$

8.  $0.22 \times 4$

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You can also use a model to help you multiply a decimal by a decimal.

Find the product of 0.8 and 0.4.

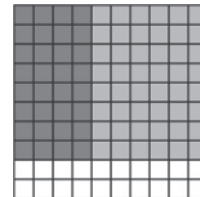
**Step 1** Shade 8 tenths of the figure.

**Step 2** Shade darker 4 tenths of the shaded area.

**Step 3** How many squares have you shaded twice?

You have twice shaded 32 of the squares.

So,  $0.8 \times 0.4 = 0.32$ .



**Find each product.**

9.  $0.2 \times 0.8$

10.  $0.7 \times 0.9$

11.  $0.5 \times 0.5$

12.  $0.3 \times 0.6$

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13.  $0.5 \times 0.2$

14.  $0.4 \times 0.4$

15.  $0.1 \times 0.9$

16.  $0.4 \times 0.7$

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