Name \_\_\_



## Models for Multiplying Decimals

Use the same strategy to multiply a decimal by a whole number or to multiply a decimal by a decimal.



- **7.**  $0.4 \times 0.7$  \_\_\_\_\_ **8.**  $1.9 \times 0.4$  \_\_\_\_\_ **9.**  $3.42 \times 5$  \_\_\_\_\_
- **10.** If you multiply two decimals less than 1, can you predict whether the product will be less than or greater than either of the factors? Explain.

Name

Practice 6-4

Models for Multiplying Decimals

Place the decimal point in each product.

<b>1.</b> 3 × 6.89 = 2067	<b>2.</b> 0.3 × 4.5 = 1350
Find each product.	
<b>3.</b> 14.3 × 2.1 × 8 =	<b>4.</b> 0.45 × 100 =
<b>5.</b> 67.1 × 0.3 × 40 =	<b>6.</b> 58 × 4.21 =
7. Show how to find the product of 16.2	$2 \times 4$ using addition.

- **8.** Which activity is 6 times faster than the fastest rowing speed?
- **9.** The fastest speed a table tennis ball has been hit is 21.12 times faster than the speed for the fastest swimmer. What is the speed for the table tennis ball?
- **10.** How fast would 3 times the fastest rowing speed be?



**11.** Which is the product of  $241.82 \times 3.1?$ 

Α	7.498	<b>B</b> 749.642	<b>C</b> 74.958	<b>D</b> 7.5

**12.** Explain why multiplying  $37.4 \times 0.1$  gives a product that is less than 37.4.