Multiplying Decimals
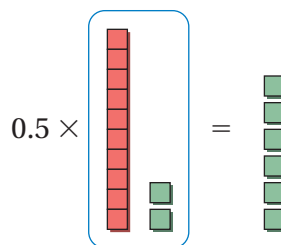
Name _____

Key Concept and Vocabulary

Add the number of decimal points.

$$1.2 \leftarrow \text{1 decimal place}$$
$$\times\ 0.5 \leftarrow +\ \text{1 decimal place}$$
$$0.6\,0 \leftarrow \text{2 decimal places}$$

$0.5 \times$ ▮ = ▮

"0.5 times" is the same as "one half of."

PRACTICE MAKES *PURR*-FECT™

Check your answers at BigIdeasMath.com.

Write the decimal in ▮.

1. 0.5 × ▮ = ▮
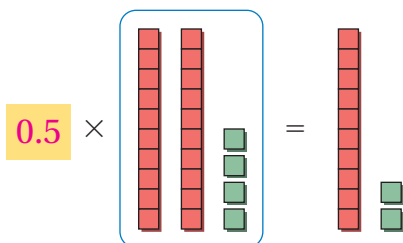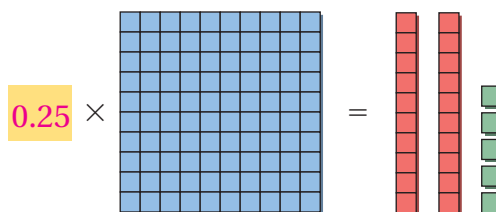
2. 0.25 × ▮ = ▮

Multiply the decimals.

3.   one-half of

$$1.4$$
$$\times\ 0.5$$
$$0.70$$

4.   one-tenth of

$$350$$
$$\times\ 0.1$$
$$35.0$$

5.   one-quarter of

$$2.4$$
$$\times\ 0.2\,5$$
$$120$$
$$48$$
$$0.6\,00$$

6.   one-fifth of

$$5\,0$$
$$\times\ 0.2$$
$$10.0$$

7. CENTIMETERS To change inches to centimeters, multiply by 2.54. Change three-quarters of an inch to centimeters.

$$2.54 \leftarrow \text{conversion factor}$$
$$\times\ 0.75 \leftarrow \text{three-quarters inch}$$
$$1270$$
$$1778$$
$$1.9050 \quad \text{centimeters}$$

0 cm   1   2   3   4

0 in   1

0.75 in.