

Name _____

Date _____

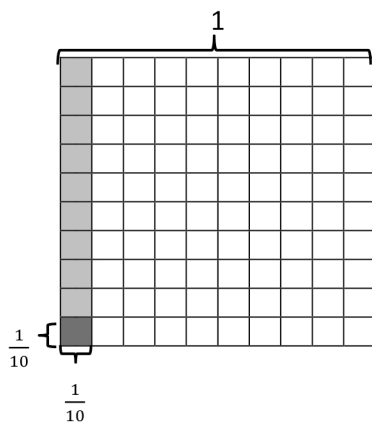
1. Multiply and model. Rewrite each expression as a number sentence with decimal factors. The first one is done for you.

a. $\frac{1}{10} \times \frac{1}{10}$

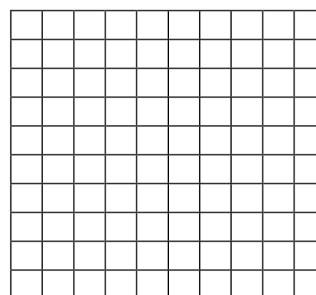
$$= \frac{1 \times 1}{10 \times 10}$$

$$= \frac{1}{100}$$

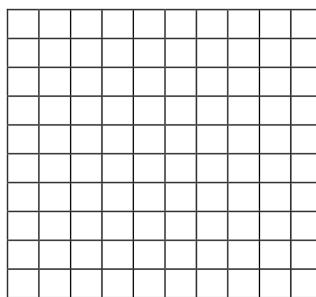
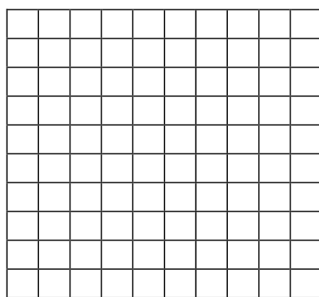
$$0.1 \times 0.1 = 0.01$$



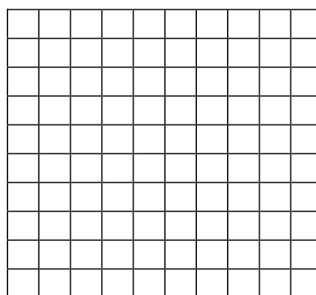
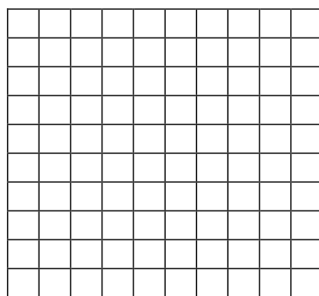
b. $\frac{6}{10} \times \frac{2}{10}$



c. $\frac{1}{10} \times 1.6$



d. $\frac{6}{10} \times 1.9$



2. Multiply. The first few are started for you.

a. $4 \times 0.6 =$ _____

$$= 4 \times \frac{6}{10}$$

$$= \frac{4 \times 6}{10}$$

$$= \frac{24}{10}$$

$$= 2.4$$

b. $0.4 \times 0.6 =$ _____

$$= \frac{4}{10} \times \frac{6}{10}$$

$$= \frac{4 \times 6}{10 \times 10}$$

$$=$$

c. $0.04 \times 0.6 =$ _____

$$= \frac{4}{100} \times \frac{6}{10}$$

$$= \frac{_\times__}{100 \times 10}$$

$$=$$

d. $7 \times 0.3 =$ _____

e. $0.7 \times 0.3 =$ _____

f. $0.07 \times 0.3 =$ _____

g. $1.3 \times 5 =$ _____

h. $1.3 \times 0.5 =$ _____

i. $0.13 \times 0.5 =$ _____

3. Jennifer makes 1.7 liters of lemonade. If she pours 3 tenths of the lemonade in the glass, how many liters of lemonade are in the glass?

4. Cassius walked 6 tenths of a 3.6 mile trail.

a. How many miles did Cassius have left to hike?

b. Cameron was 1.3 miles ahead of Cassius. How many miles did Cameron hike already?

Answer Key

1.
 - a. Answer provided
 - b. $0.6 \times 0.2 = 0.12$; accurate area model
 - c. $0.1 \times 1.6 = 0.16$; accurate area model
 - d. $0.6 \times 1.9 = 1.14$; accurate area model
2.
 - a. 2.4
 - b. 0.24 ; $\frac{24}{100}$; 0.24
 - c. 0.024 ; 4, 6; $\frac{24}{1000}$; 0.024
 - d. 2.1
 - e. 0.21
 - f. 0.021
 - g. 6.5
 - h. 0.65
 - i. 0.065
3. 0.51 L
4.
 - a. 1.44 mi
 - b. 3.46 mi