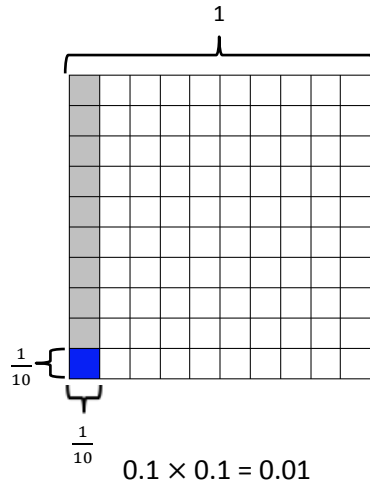


Name _____

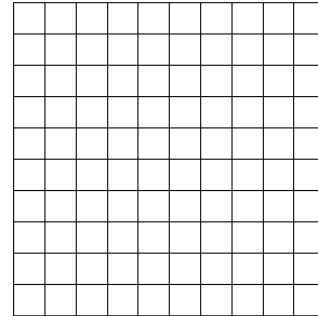
Date _____

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

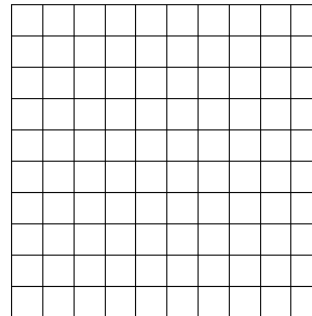
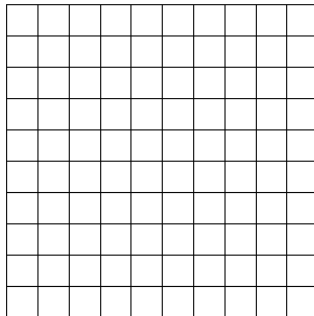
a. $\frac{1}{10} \times \frac{1}{10}$
 $= \frac{1 \times 1}{10 \times 10}$
 $= \frac{1}{100}$



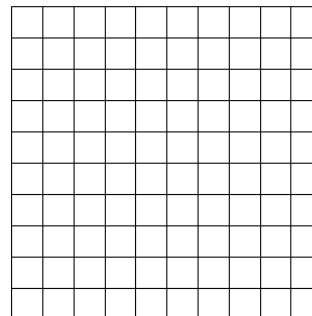
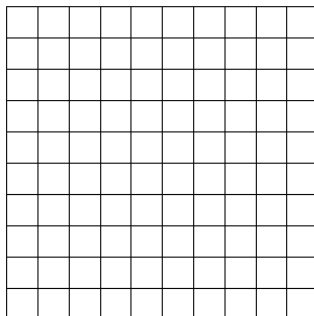
b. $\frac{4}{10} \times \frac{3}{10}$



c. $\frac{1}{10} \times 1.4$



d. $\frac{6}{10} \times 1.7$



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

$$\begin{aligned} \text{a. } 5 \times 0.7 &= \underline{\hspace{2cm}} \\ &= 5 \times \frac{7}{10} \\ &= \frac{5 \times 7}{10} \\ &= \frac{35}{10} \\ &= 3.5 \end{aligned}$$

$$\begin{aligned} \text{b. } 0.5 \times 0.7 &= \underline{\hspace{2cm}} \\ &= \frac{5}{10} \times \frac{7}{10} \\ &= \frac{5 \times 7}{10 \times 10} \\ &= \end{aligned}$$

$$\begin{aligned} \text{c. } 0.05 \times 0.7 &= \underline{\hspace{2cm}} \\ &= \frac{5}{100} \times \frac{7}{10} \\ &= \frac{\times}{100 \times 10} \\ &= \end{aligned}$$

$$\text{d. } 6 \times 0.3 = \underline{\hspace{2cm}}$$

$$\text{e. } 0.6 \times 0.3 = \underline{\hspace{2cm}}$$

$$\text{f. } 0.06 \times 0.3 = \underline{\hspace{2cm}}$$

$$\text{g. } 1.2 \times 4 = \underline{\hspace{2cm}}$$

$$\text{h. } 1.2 \times 0.4 = \underline{\hspace{2cm}}$$

$$\text{i. } 0.12 \times 0.4 = \underline{\hspace{2cm}}$$

3. A Boy Scout has a length of rope measuring 0.7 meter. He uses 2 tenths of the rope to tie a knot at one end. How many meters of rope are in the knot?

4. After just 4 tenths of a 2.5-mile race was completed, Lenox took the lead and remained there until the end of the race.

a. How many miles did Lenox lead the race?

b. Reid, the second-place finisher, developed a cramp with 3 tenths of the race remaining. How many miles did Reid run without a cramp?