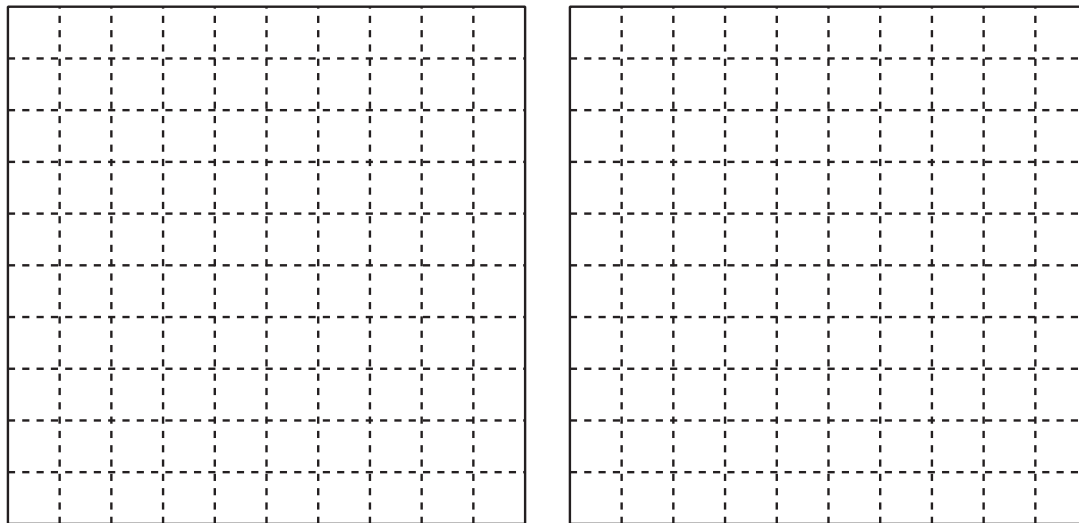# Section C: Practice Problems

1.
   a. Shade 5×0.07 on the first diagram.

   b. What is the value of 5×0.07? Explain or show your reasoning.

   c. What is the value of 5×0.2? Use the second diagram if it is helpful.

   (From Unit 5, Lesson 17.)

2. a. Mai says that 7×0.4 and 7×0.04 both have the same value. She says that they are both 28. Do you agree with Mai? Explain or show your reasoning.

b. Explain why $8 \times 0.03 = (8 \times 3) \times 0.01$.

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_____

(From Unit 5, Lesson 18.)

3.   a. Explain why each expression is equivalent to 9×0.45.

$(9 \times 0.4) + (9 \times 0.05)$

_____
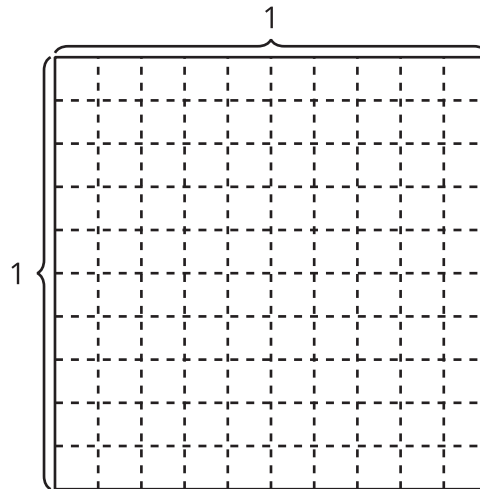
_____

$(9 \times 45) \div 100$

_____

_____

$(10 \times 0.45) - (1 \times 0.45)$

_____

_____

b. Find the value of 9×0.45 using one of the expressions or your own strategy.

(From Unit 5, Lesson 19.)

4. Shade the diagram to represent 0.7×0.4.

What is the value of 0.7×0.4?

(From Unit 5, Lesson 20.)

5.   a. Explain or show why $5.6 \times 3.4 = (56 \times 34) \times 0.01$.

_____

_____

b. Use this strategy to calculate 5.6×3.4.
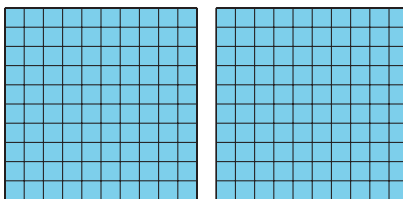
(From Unit 5, Lesson 21.)

6. **Exploration**

Here is Diego's strategy to find the value of 17.5×3.3. I know $\frac{175}{10} \times \frac{33}{10} = \frac{175 \times 33}{100}$ so I just find 175×33 and then divide by 100.
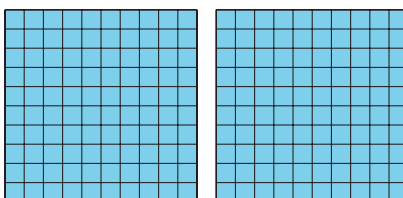
    a. Explain or show why Diego's method works.

    b. Use Diego's method to find the value of 17.5×3.3.

7. **Exploration**

   a. Han says the picture shows $4 \times 0.5 = 2$. Label the diagram to show Han's thinking.

   b. Mai says it shows $10 \times 0.2 = 2$. Label the diagram to show Mai's thinking.

   c. What other products can the diagram represent? Explain or show your reasoning.