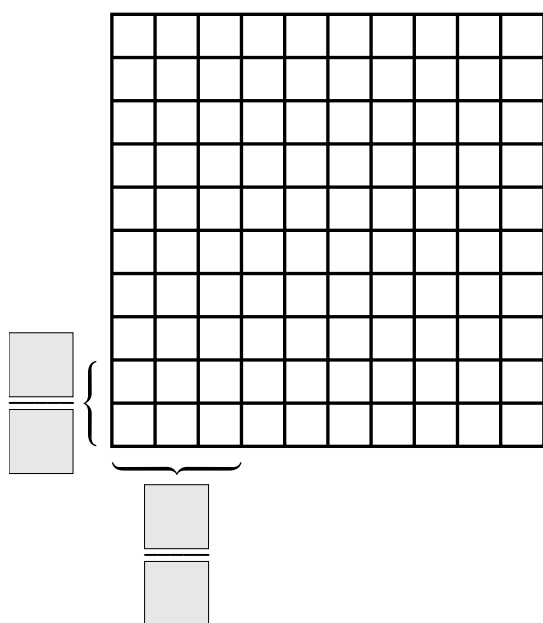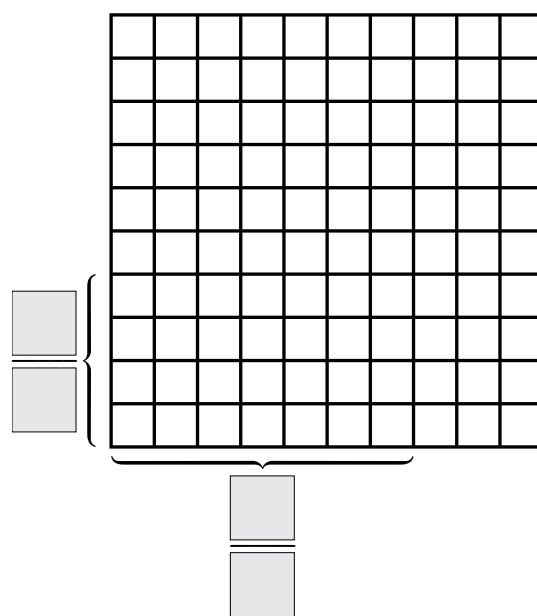**Name** _____ **Date** _____

Complete the area model. Rename the numbers as fractions to multiply. Express the product in fraction form and standard form. Each area model represents 1.

1. $0.2 \times 0.3 =$ _____

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

2. $0.4 \times 0.7 =$ _____

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

Multiply. Express the product in unit form and standard form.

3. 0.8×0.4

   _____ tenths $\times$ _____ tenths = _____ = _____

4. 0.8×0.04

   _____ tenths $\times$ _____ hundredths = _____ = _____

Rename the decimal numbers as fractions to multiply. Express the product in fraction form and standard form.

5. $3 \times 0.5 =$ _____

$$\underline{} \times \frac{\boxed{}}{10} = \frac{\times}{10}$$

$$= \frac{\boxed{}}{\boxed{}}$$

6. $0.3 \times 0.5 =$ _____

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

$$= \frac{\boxed{}}{\boxed{}}$$

7. $0.03 \times 0.5 =$ _____

$$\frac{\boxed{}}{\boxed{}} \times \frac{\boxed{}}{\boxed{}} = \frac{\times}{\times}$$

$$= \frac{\boxed{}}{\boxed{}}$$

8. $1.2 \times 4 =$ _____

$$\frac{\boxed{}}{10} \times \underline{} = \frac{\times}{10}$$

$$= \frac{\boxed{}}{\boxed{}}$$

9. $1.2 \times 0.4 =$ _____

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

$$= \frac{\boxed{}}{\boxed{}}$$

10. $1.2 \times 0.04 =$ _____

$$\frac{\boxed{}}{\boxed{}} \times \frac{\boxed{}}{\boxed{}} = \frac{\times}{\times}$$

$$= \frac{\boxed{}}{\boxed{}}$$

Multiply.

11. $0.2 \times 0.4 =$ _____

12. $0.9 \times 0.5 =$ _____

13. $0.3 \times 0.02 =$ _____

14. $0.07 \times 0.6 =$ _____

15. $0.4 \times 0.33 =$ _____

16. $0.05 \times 2.4 =$ _____

Use the Read–Draw–Write process to solve each problem.

17. Blake has 1.5 liters of water. He drinks 6 tenths of the water. How many liters of water does Blake drink?

18. A hiking trail is 6.45 kilometers long. Mrs. Chan rests after hiking 0.4 of the trail. How many kilometers does Mrs. Chan have left to hike?