

**Homework**

**Multiply using any method. If you use an area model to multiply, show your sketch.**

1.  $45 \times 79$

\_\_\_\_\_

2.  $88 \times 29$

\_\_\_\_\_

3.  $74 \times 57$

\_\_\_\_\_

4.  $84 \times 68$

\_\_\_\_\_

**Mr. Gomez's class is learning about multiplication. The class wants to see what multiplications they can find in their school. Solve each problem.**

5. The class counts 37 tiles across the front of their room and 64 tiles down one side. How many floor tiles are in their classroom?

\_\_\_\_\_

6. The back of their classroom is a brick wall. Down one side, they count 26 rows of bricks. Across the bottom, they count 29 bricks. How many bricks make up the wall?

\_\_\_\_\_

7. In the school, there are 3 classrooms for each grade: kindergarten, 1, 2, 3, 4, 5, and 6. Each classroom has 32 lockers. How many lockers are there in the school building?

\_\_\_\_\_

8. The school auditorium has 69 rows of seats. Each row has 48 seats across. If 6,000 people want to see the school talent show, how many times do the students have to do the show?

\_\_\_\_\_

**Write two multiplication word problems of your own. Then solve each problem.**

9. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

10. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Remembering

Estimate each sum. Then solve to check your estimate.

1.  $289 + 503$  \_\_\_\_\_

2.  $4,199 + 684$  \_\_\_\_\_

3.  $8,128 + 895$  \_\_\_\_\_

Cross out the extra numerical information and solve.

*Show your work.*

4. Marlene is making 4 batches of muffins for her drama party. Each batch requires 2 cups of flour and makes 24 muffins. How many muffins will Marlene have for the party?

\_\_\_\_\_

5. One pack of batteries costs \$6 and contains 9 batteries. Trevor bought 3 packs of batteries. How much did Trevor spend on batteries?

\_\_\_\_\_

Sketch an area model for each exercise. Then find the product.

6.  $54 \times 38$  \_\_\_\_\_

7.  $49 \times 75$  \_\_\_\_\_

8. **Stretch Your Thinking** Jackson used the Shortcut Method to multiply  $84 \times 37$ . Did he do it correctly? Explain.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

$$\begin{array}{r} 1 \\ 2 \\ 84 \\ \times 37 \\ \hline 588 \\ + 252 \\ \hline 840 \end{array}$$