Name _____   **Date** _____

Homework

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

1. 45 × 79   **2.** 88 × 29   **3.** 74 × 57   **4.** 84 × 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 × 38 _____   7. 49 × 75 _____

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

   _____

   _____

   _____

   _____

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