Unit 4 Assessment

① Solve.

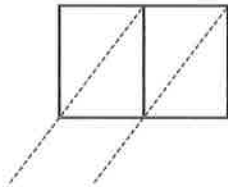**a.** 50 * 20 = _____   **b.** 80 * 70 = _____

c. 600 * 8 = _____   **d.** 4,000 * 3 = _____
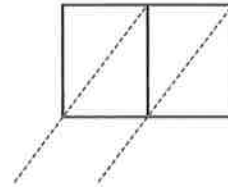
② Use partial-products multiplication or the lattice method to solve.

a.   2 3
         × 4
                                        b.   4 9
                                                × 8

③ Rebecca, Meg, and Kristin drive together from their home to visit
their grandparents. Kristin drives for 65 miles, and Rebecca drives
two times as far as Kristin. Then Meg drives twice as far as Kristin
and Rebecca combined, which gets them to their grandparents' house.
How far did Meg drive?

Estimate: _____

Number models with unknowns: _____

_____

Answer: _____ miles

Is your answer reasonable? Explain.

_____

_____

Unit 4 Assessment (continued)

④ **a.** Find the number of milliliters.

Liters (L)	Milliliters (mL)
1	
3	
7	
19	

b. Explain how you found how many milliliters are in 7 liters.

_____

_____

_____

_____

⑤ **a.** Find the number of grams.

Kilograms (kg)	Grams (g)
2	
6	
11	
22	

b. Explain how you found how many grams are in 6 kilograms.
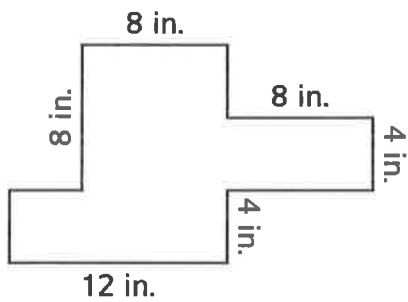
_____

_____

_____

_____

Unit 4 Assessment (continued)

⑥ David is buying a tablet for $476. He paid for the tablet using three $100 bills, sixteen $10 bills, and thirty-two $1 bills. How much did David pay?

a. Write number models to show your thinking.

_____

_____

b. Did he pay the exact amount, too little, or too much? _____

Explain.

_____

_____

⑦ Find the area and perimeter of the shape below.

8 in.

8 in.

8 in.

4 in.

4 in.

12 in.

a. Area: _____ square inches

b. Perimeter: _____ inches

Unit 4 Challenge

Explain Leni's mistakes in the problem below.

```
      3 2 8
  *     6 2
  1 8 0 0
  1 2 0 0
      4 8 0
      6 0 0
          4
  +     1 6
  4, 1 0 0
```

_____

_____

_____

_____

_____

Now use partial-products or lattice multiplication to show how to correctly solve the problem.