9
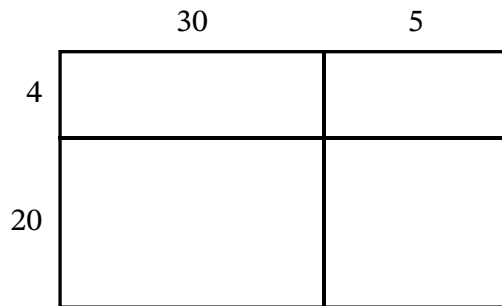
Name _____ Date _____

Complete the area model. Then multiply by using the standard algorithm.

1. 24×35

	30	5
4		
20		

		3	5
×		2	4
+			

2. 41×326

	300	20	6
1			
40			
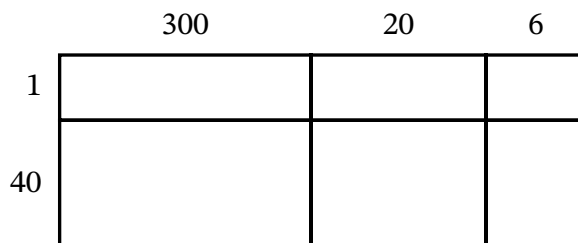
			3	2	6
×				4	1
+					

Draw an area model to find the partial products. Then multiply by using the standard algorithm.

3. 47×32

×				
+				

4. 25×638

×					
+					

Estimate the product. Then multiply.

5. $38 \times 529 \approx$ _____ $\times$ _____

   $=$ _____

6. $63 \times 804 \approx$ _____ $\times$ _____

   $=$ _____

7. Julie makes a mistake when she uses the distributive property to find 83×624. Look at her work.

$$83 \times 624 = 80 \times 600 + 80 \times 20 + 80 \times 4$$
$$= 48{,}000 \times 1{,}600 + 320$$
$$= 49{,}920$$

a. What mistake did Julie make?

b. Find the product.

   $83 \times 624 =$ _____

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

8. A school bus travels 508 kilometers each week. How many kilometers does the school bus travel in 36 weeks?