

Multiplying Large Numbers

NCTM Standards 1, 2, 9, 10

Complete the area model, puzzles, and records.

1

	400	20	8
20			
9			

$$428 \times 29 = \boxed{}$$

2

	×	100	30	5	135		
						135 ×	
						135 ×	
22						135 × 22	

	135	×	22	

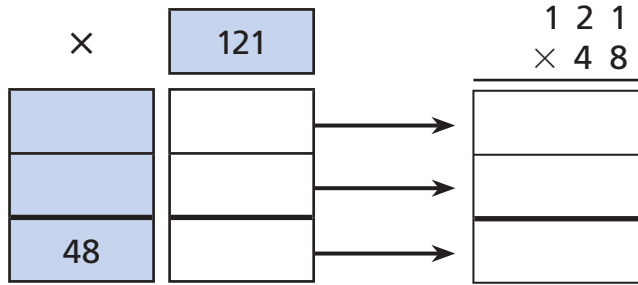
3

	×	200	40	6	246		
						246 ×	
						246 ×	
34						246 ×	

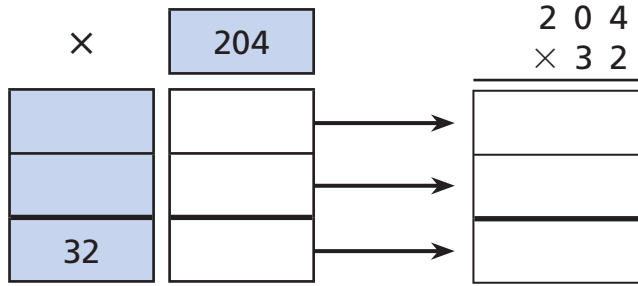
	246	×	34	

Use numbers from the puzzles in the records.
Use an area model if you wish.

4



5



6 There are 24 hours in a day, 7 days in a week, and 365 days in most years. How many hours are there in most years? Explain.

7 Challenge For each partial product, write the factors that produce it.

1 8 2
× 4 7
4 7 0 0
3 7 6 0
9 4
8, 5 5 4

	×	
	×	
	×	