

Writing Shorter Records

NCTM Standards 1, 2, 6, 7, 8, 9, 10

Use numbers from the puzzle in the records.

1

×	80	4	84					
20				→	84 ×	20	→	
5				→	84 ×		→	
25	2,000	100	2,100	→	84 ×	25	→	2,100

	84
×	25

Complete the area models. Then complete the puzzles and records.

2

		32					
10			→	10		→	
□			→			→	
				13		→	

	32
×	□

3

		45					
□			→			→	
□			→			→	
				22		→	

	45
×	□

Complete the record. Draw an area model, if you wish.

4

$14 \times$ 	→	14
$14 \times$ 	→	83
$14 \times$ 83	→	

$$\begin{array}{r} 14 \\ \times 83 \\ \hline \end{array}$$

Solve the problem.



5 Each of the 28 students in Mrs. Farrell's class baked 2 dozen cookies for a cookie exchange. What is the total number of cookies? Explain how you solved the problem. Show your work.

6 **Challenge** Complete the puzzle and record.

\times	100	40	6	146		$146 \times$ 	→	
30						$146 \times$ 	→	
2						$146 \times$ 	→	
32						$146 \times$ 	→	

$$\begin{array}{r} 146 \\ \times 32 \\ \hline \end{array}$$