

Review/Assessment

NCTM Standards 1, 2, 6, 7, 9

Write the partial products in the area models and complete the records. *Lesson 1*

1

	60	4		
30				
8				

$$\begin{array}{r} 64 \\ \times 38 \\ \hline \end{array}$$

2

	100	30	6	
40				
3				

$$\begin{array}{r} 136 \\ \times 43 \\ \hline \end{array}$$

Make up your own 2-digit by 2-digit multiplication sentences. *Lesson 1*

3

The product is between 2,000 and 3,000. Neither factor has a zero in the ones place.

$$\square\square \times \square\square = \square\square\square\square$$

4

The product is between 5,000 and 6,000. Neither factor has a zero in the ones place.

$$\square\square \times \square\square = \square\square\square\square$$

5

Complete the puzzles and the records. *Lessons 2, 3 and 5*

×			58	
67				

58 ×		→	
58 ×		→	
58 ×	67	→	

	58	×	67	

6

×		
48		

29	×	48	

7

×		
56		

64	×	56	

8

×	100	20	7	127				
					127 ×		→	
					127 ×		→	
32					127 ×	32	→	

×	127
	32

Complete the table. Lesson 4**9**

d	3	5				
d^2			100			
$d + 1$				21		51
$d - 1$					24	49
$(d + 1) \times (d - 1)$						2,499

Solve the problem. Show your work. Lesson 6**10** Brad used toothpicks to make a pattern of squares.

Circle the expressions that give the number of toothpicks needed to make n squares.

$2n + 1$ $3n + 1$ $2n + n + 1$ $4n$