Name: _____ Date: _____

Multiplication Arrays and Area Models

Draw and solve multiplication problems using arrays and area models to show two-digit by two-digit multiplication.

1 Draw an array for each multiplication. Then write the multiplication sentence.

a. 23 × 14



_____

b. 37 × 12



_____

c. 28 × 26



_____

2 Use an area model to solve each multiplication.

a. 23 × 17

_____ + _____

_____ ×

_____



23 × 17 = _____

b. 34 × 28

_____ + _____

_____ ×

_____



34 × 28 = _____

3 Draw an area model to solve these multiplication problems.

a. 16 × 29

16 × 29 = _____

b. 45 × 32

45 × 32 = _____

c. 27 × 38

27 × 38 = _____

4 Write a two-digit multiplication for each area model shown.

a.

	20	7
30		
8		

____ × ____ = _____

b.

	40	6
20		
5		

____ × ____ = _____

c.

	30	4
10		
9		

____ × ____ = _____