

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  _____
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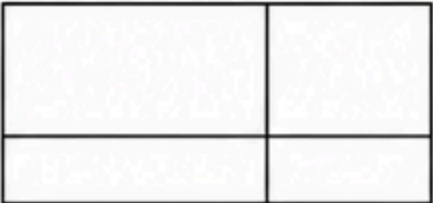
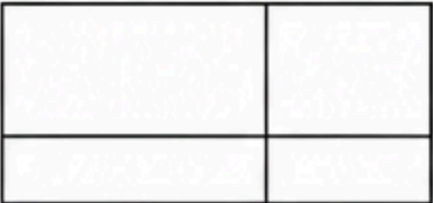
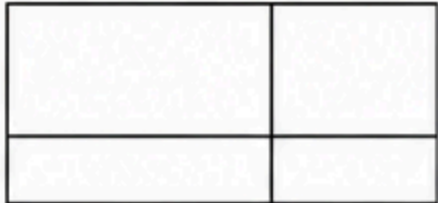
2 Use an area model to solve each multiplication.

a. 23×17 _____ $\times$ _____ _____ + _____  $23 \times 17 =$ _____	b. 34×28 _____ $\times$ _____ _____ + _____  $34 \times 28 =$ _____
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3 Draw an area model to solve these multiplication problems.

a. 16×29  $16 \times 29 =$ _____	b. 45×32  $45 \times 32 =$ _____	c. 27×38  $27 \times 38 =$ _____
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4 Write a two-digit multiplication for each area model shown.

a. 20 7 30 8  _____ $\times$ _____ = _____	b. 40 6 20 5  _____ $\times$ _____ = _____	c. 30 4 10 9  _____ $\times$ _____ = _____
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