

Name \_\_\_\_\_

## Area Models and Partial Products

**COMMON CORE STANDARD** CC.4.NBT.5

Use place value understanding and properties of operations to perform multi-digit arithmetic.

Draw a model to represent the product.  
Then record the product.

1.  $13 \times 42$

2.  $18 \times 34$

3.  $22 \times 26$

	40	2
10	400	20
3	120	6

$400 + 20 + 120 + 6 = \mathbf{546}$  \_\_\_\_\_

4.  $15 \times 33$

5.  $23 \times 29$

6.  $19 \times 36$

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## Problem Solving

7. Sebastian made the following model to find the product  $17 \times 24$ .

	20	4
10	200	40
7	14	28

$200 + 40 + 14 + 28 = 282$

Is his model correct? **Explain.**

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8. Each student in Ms. Sike's kindergarten class has a box of crayons. Each box has 36 crayons. If there are 18 students in Ms. Sike's class, how many crayons are there in all?

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