

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. 13×42

2. 18×34

3. 22×26

	40	2
10	400	20
3	120	6

$400 + 20 + 120 + 6 = \underline{546}$ _____

4. 15×33

5. 23×29

6. 19×36

Problem Solving



7. Sebastian made the following model to find the product 17×24 .

	20	4
10	200	40
7	14	28

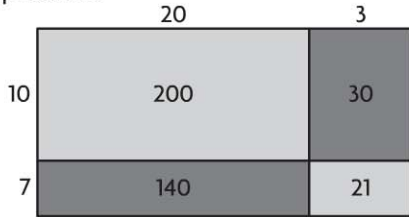
$200 + 40 + 14 + 28 = 282$

Is his model correct? **Explain.**

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?

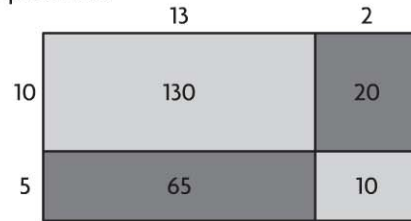
Lesson Check (CC.4.NBT.5)

1. Which product does the model below represent?



- (A) 161 (C) 340
(B) 230 (D) 391

2. Which product does the model below represent?



- (A) 219 (C) 244
(B) 225 (D) 275

Spiral Review (CC.4.OA.3, CC.4.NBT.5)

3. Mariah builds a tabletop using square tiles. There are 12 rows of tiles and 30 tiles in each row. How many tiles in all does Mariah use? (Lesson 3.1)

- (A) 100
(B) 180
(C) 360
(D) 420

4. Trevor bakes 8 batches of biscuits, with 14 biscuits in each batch. He sets aside 4 biscuits from each batch for a bake sale and puts the rest in a jar. How many biscuits does Trevor put in the jar? (Lesson 2.12)

- (A) 112
(B) 80
(C) 50
(D) 32

5. Li feeds her dog 3 cups of food each day. About how many cups of food does her dog eat in 28 days? (Lesson 2.4)

- (A) 60 cups (C) 80 cups
(B) 70 cups (D) 90 cups

6. Which symbol makes the number sentence true? (Lesson 2.8)

$$4 \square 0 = 0$$

- (A) + (C) ×
(B) - (D) ÷