

**Grade 5 Unit 4**

Lesson 2

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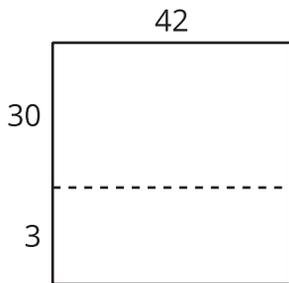
## Unit 4 Lesson 2: Partial Products in Diagrams

### WU Which One Doesn't Belong: Diagrams to Find Products (Warm up)

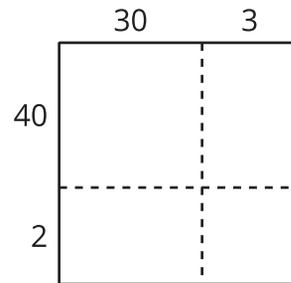
Student Task Statement

Which one doesn't belong?

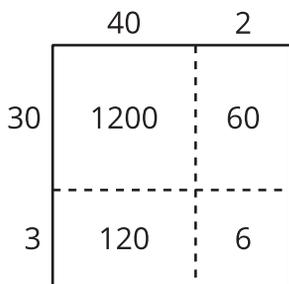
**A**



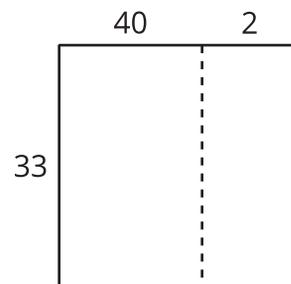
**B**



**C**

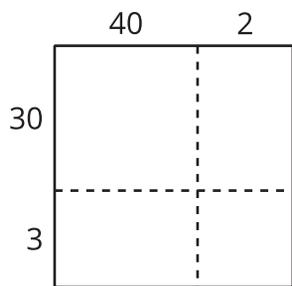


**D**

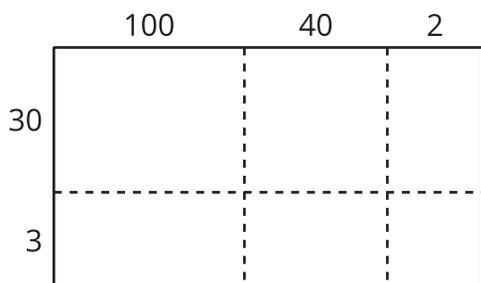


### 1 Decompose in Many Ways

Student Task Statement



1. Write the value of each product inside the rectangles.
2. Find the value of  $42 \times 33$ .
3. This diagram represents  $142 \times 33$ .



Write the value of each product inside the rectangles.

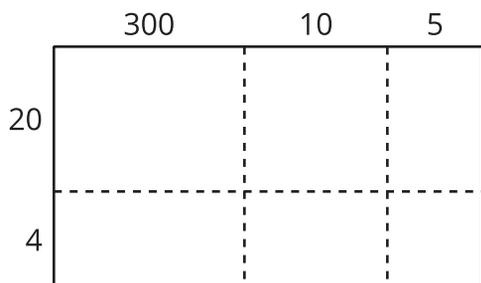
4. Find the value of  $142 \times 33$ .

## 2 Calculate in Many Ways

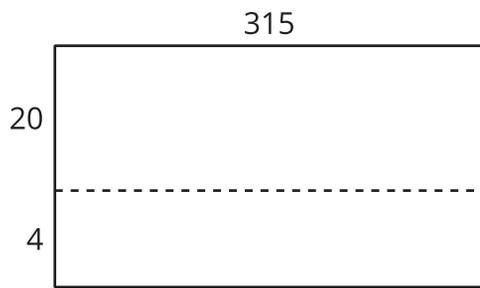
### Student Task Statement

Here are some different diagrams that represent  $315 \times 24$ . For each diagram, write a multiplication expression inside each rectangle to represent the product.

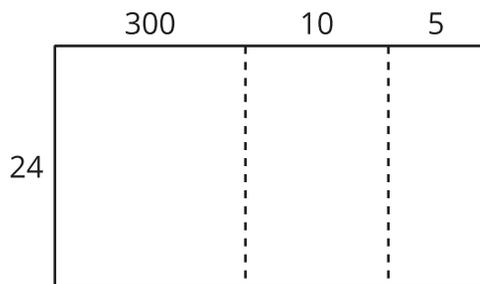
- 1.



- 2.



3.



4. Use one of the diagrams to find the value of  $315 \times 24$ .
5. Explain why you chose that diagram to find the product.