## Lesson 2: Partial Products in Diagrams

* Let's interpret diagrams that can help us find products.

### Warm-up: Which One Doesn't Belong: Diagrams to Find Products

Which one doesn't belong?

A

B

C

D

### 2.1: Decompose in Many Ways



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

### 2.2: Calculate in Many Ways

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

1.
* 
1.
* 
1.
* 
1. Use one of the diagrams to find the value of $315×24$.
2. Explain why you chose that diagram to find the product.



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