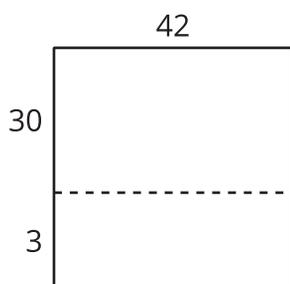# Lesson 2: Partial Products in Diagrams

- Let's interpret diagrams that can help us find products.
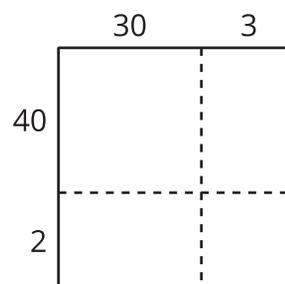
Warm-up: Which One Doesn't Belong: Diagrams to Find Products
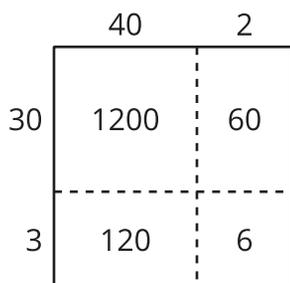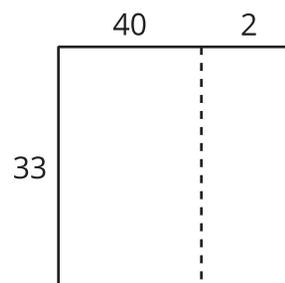
Which one doesn't belong?
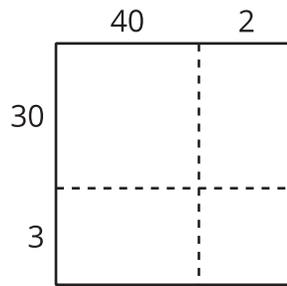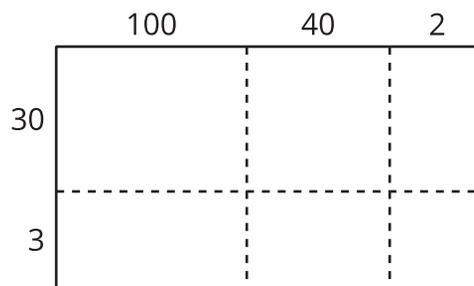
A

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.
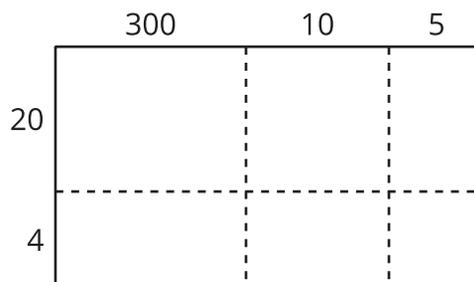
3. This diagram represents 142×33.

   Write the value of each product inside the rectangles.

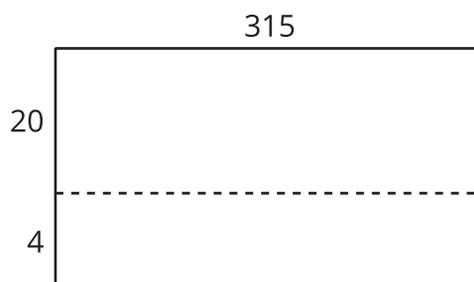4. Find the value of 142×33.

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.
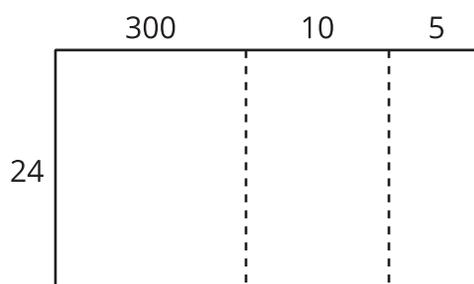
1.

2.

3.

4. Use one of the diagrams to find the value of 315×24.

5. Explain why you chose that diagram to find the product.

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