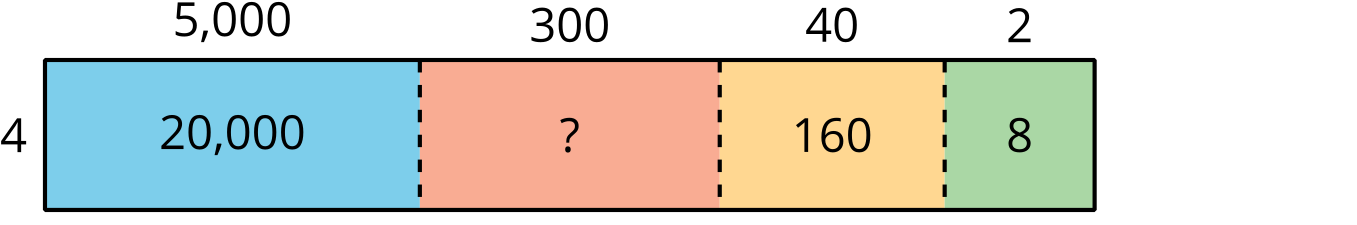
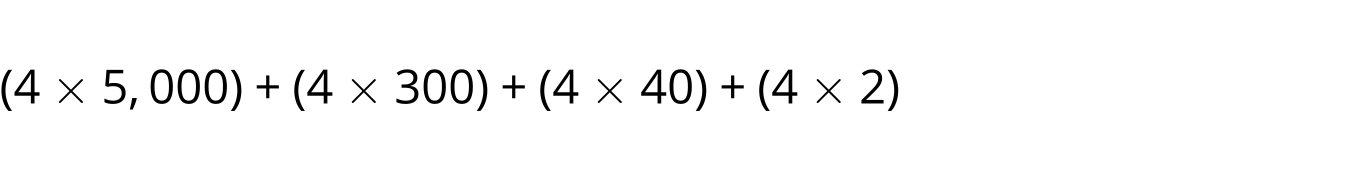
## Lesson 3: Partial Products in Algorithms

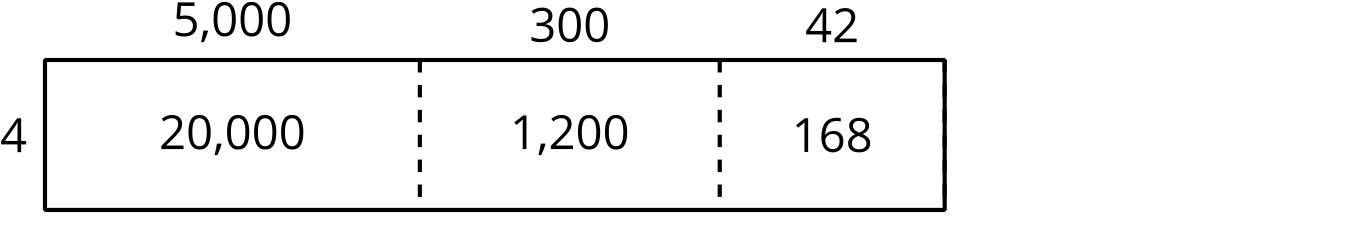
* Let’s find partial products.

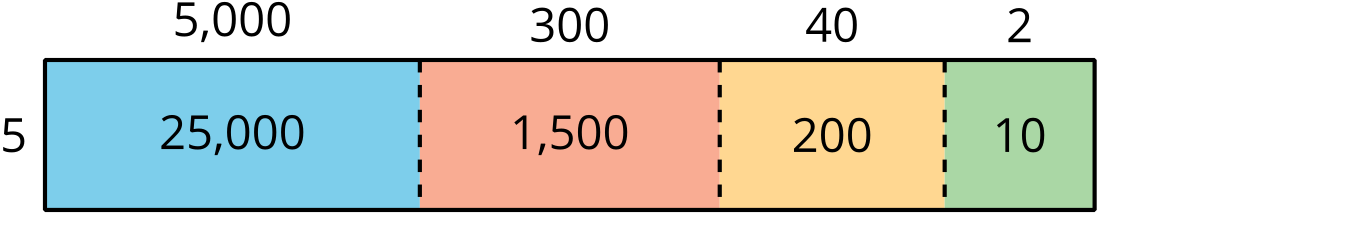
### Warm-up: Which One Doesn't Belong: Multiplying Large Numbers

Which one doesn't belong?

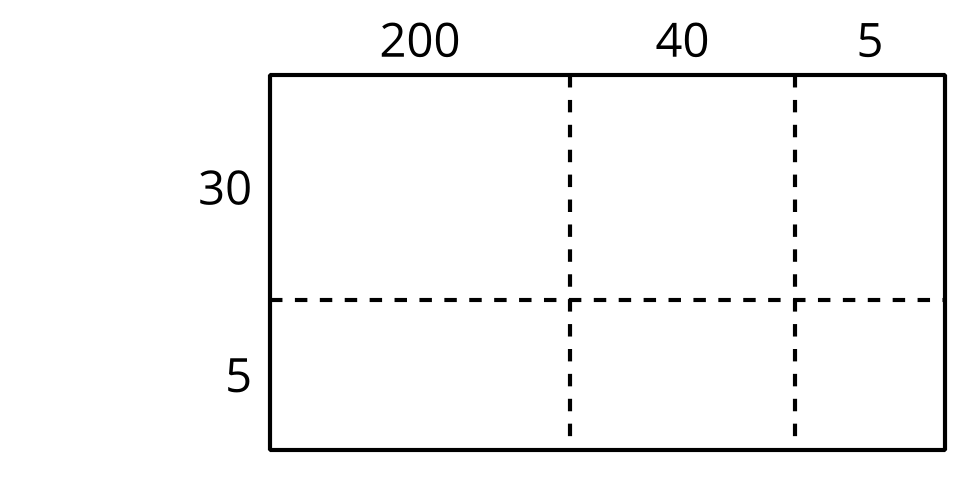
A

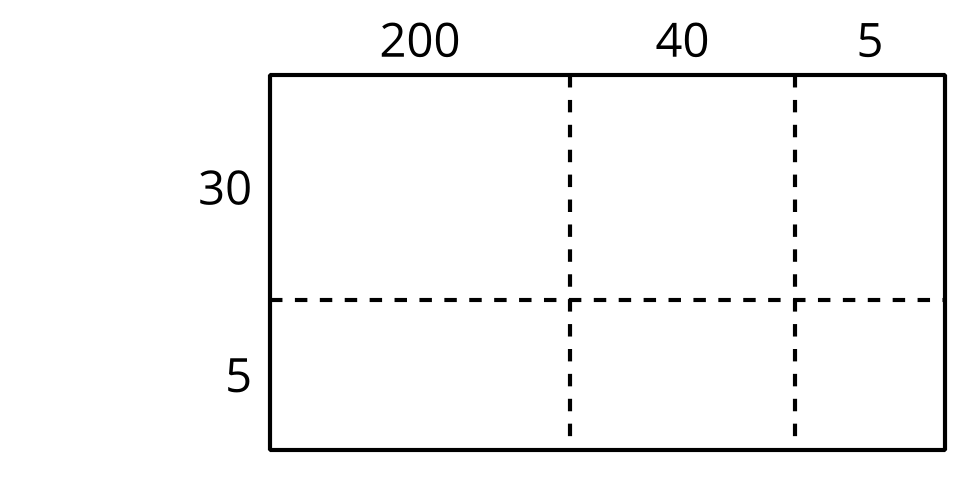
B

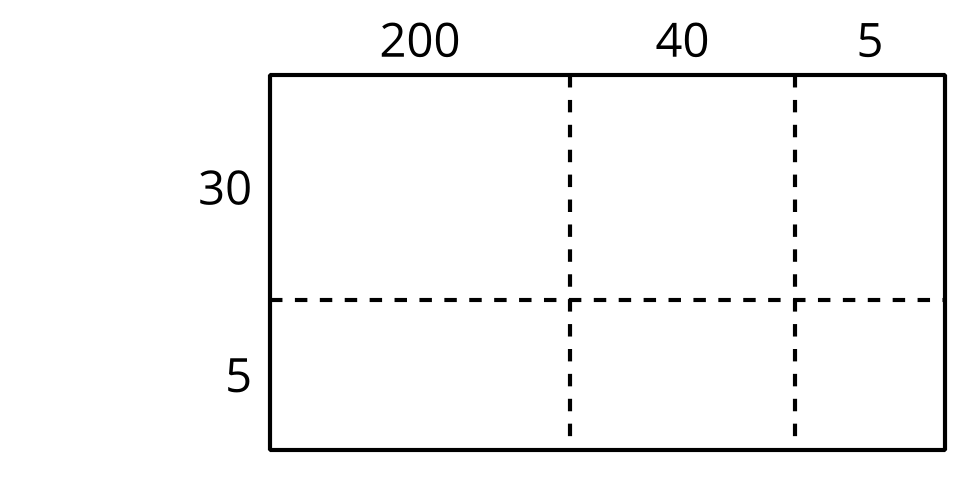
C

D

### 3.1: Partial Products Everywhere



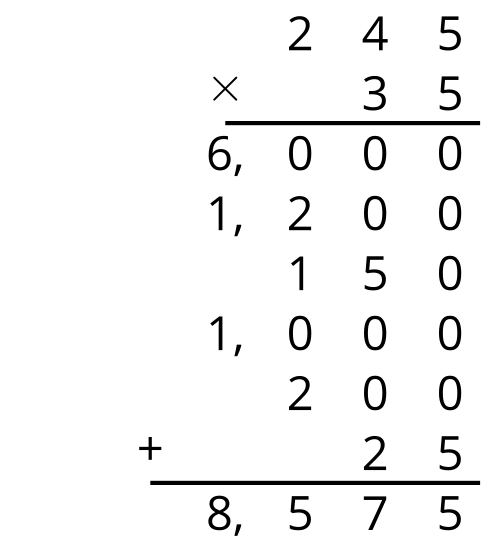




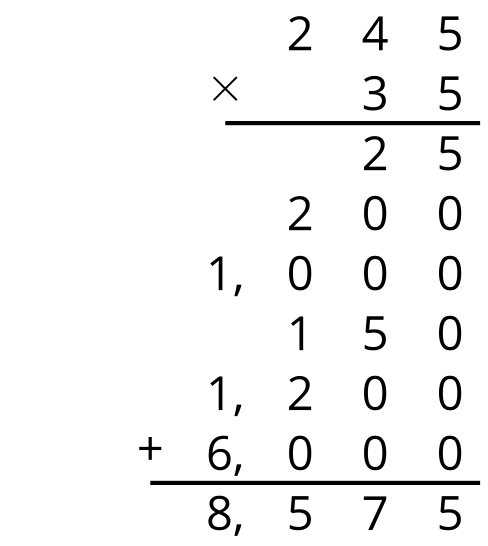
1. Take turns picking out a set of expressions that are equal to when added together. Use the diagrams if they are helpful.
2. Explain how you know the sum of your expressions is equal to .
3. What is the value of ? Explain or show your reasoning.

### 3.2: Record Partial Products

Andre



Clare



1. How are Andre’s and Clare’s strategies the same? How are they different?
2. Create a list of equations to match the partial products Andre and Clare found.



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