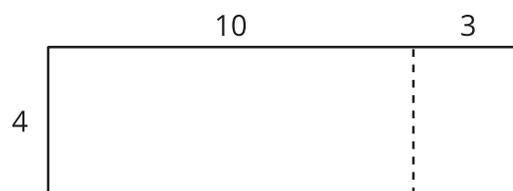
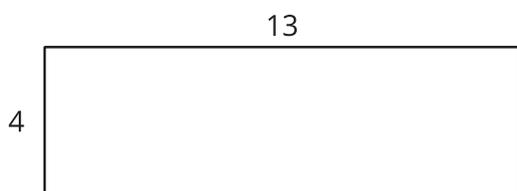
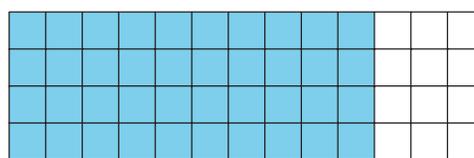
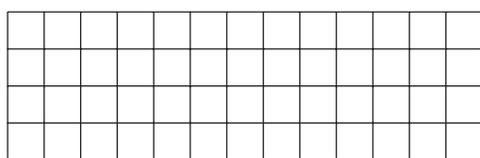


Lesson 6: Multiply Two-digit Numbers and One-digit Numbers

- Let's multiply two-digit and one-digit numbers.

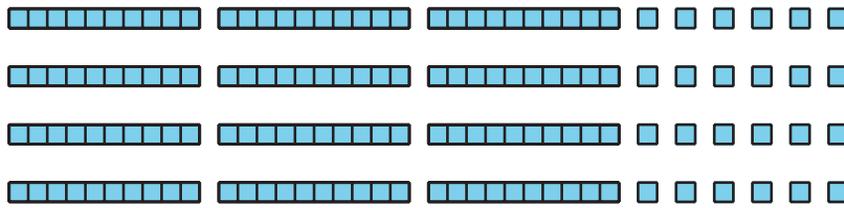
Warm-up: Notice and Wonder: With and Without a Grid

What do you notice? What do you wonder?



6.1: Tyler's Diagrams

1. To find the value of 4×36 , Tyler uses a base-ten diagram, as shown here.



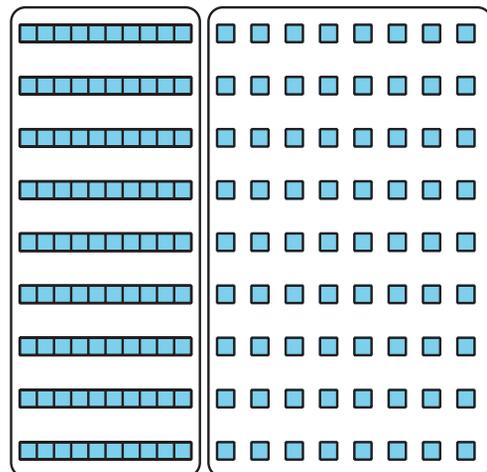
a. Where is the 36 in Tyler's diagram?

b. Where is the 4 in Tyler's diagram?

c. What is the value of 4×36 ?

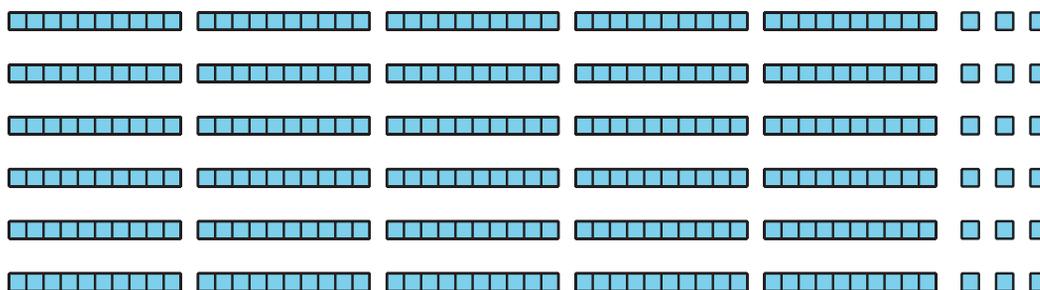
2. Here is a diagram Tyler made to find the value of 9×18 .

Explain or show how his diagram helps him find the value of 9×18 .



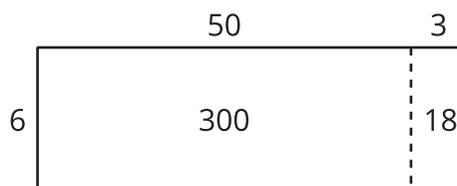
6.2: Two Kinds of Diagrams

1. Priya drew a base-ten diagram to multiply 6×53 . She said it shows that the product can be found by adding 300 and 18.



- a. Where do you see 6 and 53 in her diagram?
- b. Where do you see 300 and 18 in Priya's diagram? What do they represent?

2. Han drew this diagram to multiply 6×53 :



Where do you see 300 and 18 in his diagram? What do they represent?

3. Which diagram do you prefer for multiplying 6×53 : Han's way or Priya's way?
Explain your reasoning.

4. Find the value of 6×53 .

5. Draw a diagram to represent each multiplication expression. Then, find the value of each product.

a. 6×48

b. 9×67