Unit 4, Lesson 14

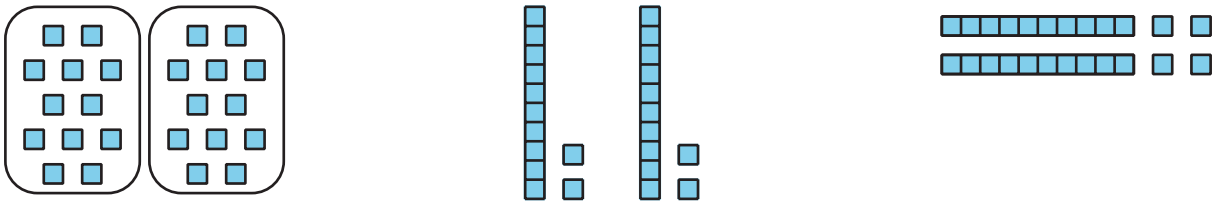
Ways to Represent Multiplication of Teen Numbers

Let's make sense of some ways to represent the multiplication of teen numbers.

Warm-up

Notice and Wonder: Seeing Groups

What do you notice? What do you wonder?

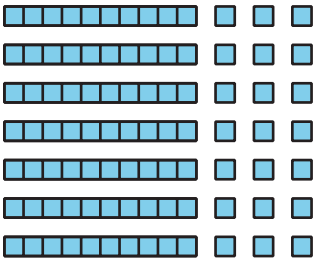


Activity 1

A Factor Greater than 10

1. Tyler says he can find the value of 7×13 because he knows 7×10 and 7×3. He says the diagram of base-ten blocks proves his thinking.

   Do you agree or disagree? Explain your reasoning.



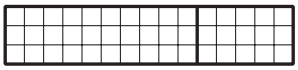
2. Use Tyler's method to find the value of 3×14. Explain or show your reasoning.

Activity 2

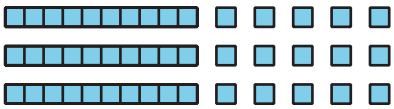
Ways to Represent

Andre, Clare, and Diego represented the same expression in different ways

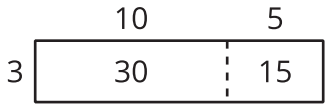
Andre



Clare



Diego



1. Where do you see the factors in each representation?

2. Where do you see the product in each representation?