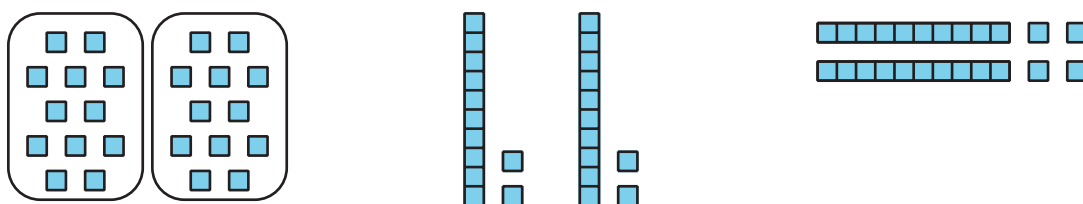


Lesson 14: Ways to Represent Multiplication of Teen Numbers

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

Warm-up: Notice and Wonder: Seeing Groups

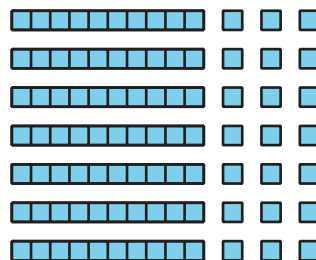
What do you notice? What do you wonder?



14.1: A Factor Greater than Ten

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

Do you agree or disagree? Explain your reasoning.

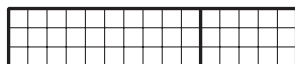


2. Use Tyler's method to find the value of 3×14 . Explain or show your reasoning.

14.2: Ways to Represent

Andre, Clare, and Diego represented the same expression. Their representations are shown below.

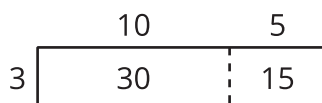
Andre



Clare



Diego



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

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