



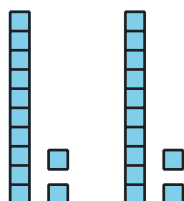
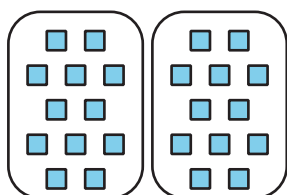
# Ways to Represent Multiplication of Teen Numbers

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?

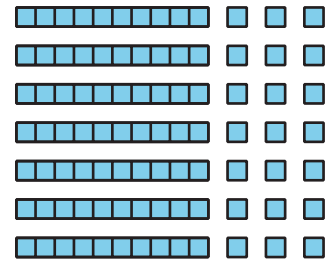


## Activity 1

### A Factor Greater than 10

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

Do you agree or disagree? Explain your reasoning.



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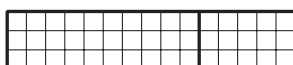
2. Use Tyler's method to find the value of  $3 \times 14$ . Explain or show your reasoning.

## Activity 2

### Ways to Represent

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

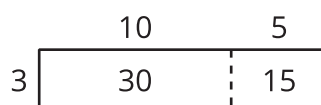
**Andre**



**Clare**



**Diego**



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

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