Lesson 20: The Commutative Property

- Let's learn about the commutative property.

Warm-up: Number Talk: Subtraction

Find the value of each expression mentally.

- $70 - 10$

- $68 - 10$

- $70 - 12$

- $68 - 12$

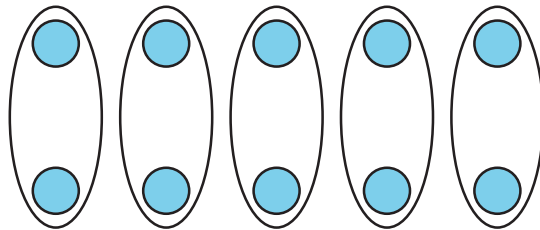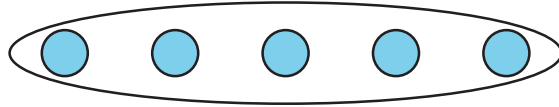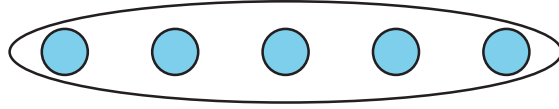## 20.1: Learn More About Multiplication
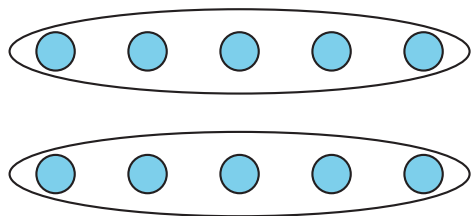
What do you notice? What do you wonder?

Image A

Image B
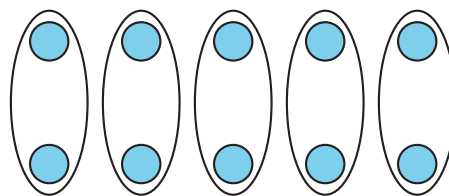
1. a. Write an array situation for each array.

Image A

_____

_____

Image B

_____

_____

b. How are the situations the same? How are the situations different?

_____

_____

_____

_____

2. a. Write an equation for each situation.

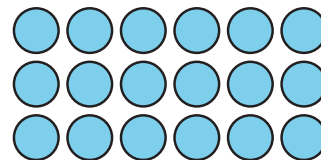Image A   Image B

_____   _____

b. How does your equation connect to the situation and array?

Image A

_____

_____

_____

_____

Image B

_____

_____

_____

_____

20.2: Revisit Arrays

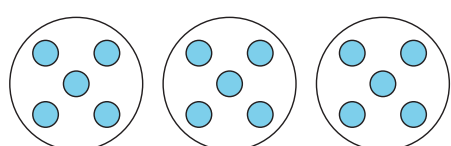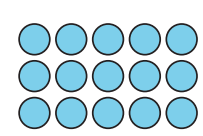1. Write 2 multiplication equations that represent the array.

2. Explain why both equations can represent the array.

_____

_____

Section Summary

Section Summary
In this section, we learned how equal groups are related to arrays and how to represent arrays with expressions and equations.

drawing of equal groups	array	expression
		3×5
		equation
		$3 \times 5 = 15$

We also learned that we can multiply numbers in any order and get the same product.

$$3 \times 5 = 15 \qquad 5 \times 3 = 15 \qquad 3 \times 5 = 5 \times 3$$