

Name _____

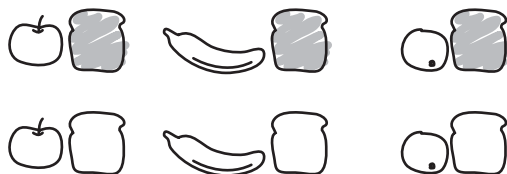
Multiplying to Find Combinations

You can use pictures, arrays, and multiplication to help find the number of possible combinations.

Choose one piece of fruit and one kind of toast from the menu. How many different combinations are there?

Fruit	Apple	Banana	Orange
Toast	Wheat	White	

Draw all the combinations of each piece of fruit with wheat toast and each piece of fruit with white toast.



There are 2 rows with 3 combinations in each row. There are 6 combinations.

You can multiply.

Write a multiplication sentence.

$$2 \times 3 = 6$$

In **1** and **2**, find the number of possible combinations. Use objects, pictures, or multiplication.

- Choose one letter: A, B, or C and one number: 1, 2, or 3.

- Choose one tile color: black or white and one paint color: blue, gray, green, or yellow.

- Communicate** Gina wants one kind of yogurt and one kind of topping. She can choose lemon, lime, or vanilla yogurt. For the topping, she can choose berries, granola, nuts, or peaches. Explain how Gina can find the number of possible combinations.
