Understanding Improper Fractions with Pizza

Hey Bailey! Let’s talk about improper fractions using something we all love - pizza!

Imagine you have a whole pizza that has been cut into 8 equal slices. If you eat 8 slices, you’ve eaten 1 whole pizza. But what if you have more than one pizza? Let’s say you have 1 and a half pizzas. This means you have 12 slices in total because:

- 1 whole pizza = 8 slices
- Half pizza = 4 slices

So, 8 slices (from the whole pizza) + 4 slices (from the half pizza) = 12 slices. Now we have an improper fraction.

An **improper fraction** is when you have more slices than what can fit in one whole pizza. In this example, we can represent the pizzas as an improper fraction:

12 slices / 8 slices = 12/8

Let’s simplify it to understand it better:

If you divide 12 by 8, it equals 1 with a remainder. This means:

- 1 whole pizza
- and you have 4 slices left over.

Since 8 slices make up 1 pizza, those 4 slices left can be expressed as a fraction of the pizza:

4 slices / 8 slices = 4/8 = 1/2

So, 12 slices can be written as:

1 (whole pizza) + 1/2 (half pizza) = 1 1/2

This means that the improper fraction 12/8 can also be shown as a mixed number of 1 and 1/2.

So next time you think of fractions, just think of it in terms of pizza! An improper fraction is just like saying you have more pizza slices than can fit in a whole pizza!