

## Objective

By the end of this lesson, the student will understand the concepts of adding and subtracting fractions with like denominators, and will be able to solve problems using these skills in real-world scenarios.

## Materials and Prep

- Paper
- Pencil
- Whiteboard (or any flat surface to write on)
- Colored markers or crayons
- Measuring cups (if available)
- Access to a kitchen for real-world applications (optional)

Before the lesson, ensure the student understands what fractions are and can identify like denominators. A brief review of fractions may be helpful.

## Activities

### • Fraction Art:

Have the student create a colorful fraction poster using colored markers or crayons. They can represent different fractions visually, such as  $\frac{1}{2}$ ,  $\frac{1}{4}$ , and  $\frac{3}{4}$ , using shapes like circles or rectangles.

### • Cooking with Fractions:

If you have access to a kitchen, use measuring cups to demonstrate adding and subtracting fractions through cooking. For example, ask the student to measure out  $\frac{1}{2}$  cup of sugar and then add  $\frac{1}{4}$  cup to it. Ask them how much sugar they have now.

### • Fraction Games:

Create a simple board game where each space represents a fraction. The student can roll a dice and move forward by adding or subtracting fractions based on the space they land on. This will make learning fun and interactive!

### • Word Problems:

Write down some real-world word problems involving fractions. For example, "If you have  $\frac{3}{4}$  of a pizza and you eat  $\frac{1}{4}$ , how much pizza is left?" Let the student solve these problems to reinforce their learning.

## Talking Points

- "Fractions are parts of a whole. When we add or subtract fractions with the same bottom number, it's like combining or taking away pieces of the same size!"
- "To add fractions, we just add the top numbers (numerators) and keep the bottom number (denominator) the same. For example,  $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$ !"
- "When we subtract fractions, we take away the top numbers. For instance,  $\frac{3}{4} - \frac{1}{4} = \frac{2}{4}$ , which can also be simplified to  $\frac{1}{2}$ !"
- "You can think of fractions like slices of pizza. If you have 3 slices out of 4 and you eat 1 slice, how many slices do you have left?"

- "Adding and subtracting fractions is super useful! You'll use it in cooking, shopping, and even when sharing snacks with friends!"