## Objective

By the end of this lesson, you will be able to understand and create part-whole models in Math.

## **Materials and Prep**

- Pencil
- Blank paper

No prior knowledge or preparation is required for this lesson.

## Activities

• Activity 1: Draw Your Own Part-Whole Model

Take a blank piece of paper and draw a big circle in the center. Inside the circle, draw smaller circles to represent the parts. For example, if you are drawing a part-whole model of a pizza, the big circle can be the whole pizza and the smaller circles can represent the slices. Be creative and think of different objects you can represent using part-whole models.

• Activity 2: Identify Part-Whole Models

Look around your house and find objects that can be represented using part-whole models. For example, a sandwich can be divided into two parts - the top and the bottom. Write down the objects you find and draw their part-whole models.

• Activity 3: Solve Part-Whole Model Problems

I will give you some word problems that involve part-whole models. Read the problem carefully and draw the part-whole model to help you solve it. For example, if the problem says there are 5 apples in a basket and 3 of them are red, you can draw a circle for the basket and divide it into two parts - one part for the red apples and another part for the other apples.

## **Talking Points**

- Part-whole models help us understand how things are divided into different parts.
- We can use part-whole models to represent objects like pizzas, sandwiches, or even numbers.
- When drawing a part-whole model, we use circles to represent the whole and smaller circles to represent the parts.
- Part-whole models can also be used to solve problems. We can read a problem, draw the partwhole model, and use it to find the solution.
- Remember to be creative and think of different objects that can be represented using partwhole models.