

## Objective

By the end of this lesson, Spencer will be able to understand basic addition and subtraction concepts using Legos, as well as develop counting skills and recognize patterns through fun and engaging activities.

## Materials and Prep

- A variety of Lego bricks in different colors and sizes
- A flat surface to build on
- Optional: A timer for timed activities

Before the lesson, ensure that all Lego pieces are clean and sorted by size or color if possible. Familiarize yourself with basic addition and subtraction concepts to help Spencer if needed.

## Activities

### • Lego Addition

In this activity, Spencer will use Legos to create two separate towers. Each tower will represent a number. After building the towers, he will combine them to find the total number of Legos used.

### • Lego Subtraction

Spencer will build a tower with a set number of Legos. Then, he will remove a certain number of Legos and count how many are left. This will help him understand the concept of subtraction.

### • Pattern Building

Using different colored Legos, Spencer will create patterns (like red, blue, red, blue). He can then explain the pattern to you, reinforcing his understanding of sequences and counting.

### • Lego Math Stories

Encourage Spencer to create a short story using Legos. For example, "I have 3 red Legos and 2 blue Legos. How many Legos do I have in total?" This will help him relate math to real-life scenarios.

## Talking Points

- "Can you count how many Legos you have in your tower?"
- "If we have 4 Legos and we add 3 more, how many do we have now?"
- "What happens if we take away 2 Legos from our tower? How many are left?"
- "Let's make a pattern! Can you tell me what comes next in our Lego colors?"
- "How can we use our Legos to tell a math story? What numbers can we use?"
- "Great job! Remember, math is like building with Legos—it's all about putting the pieces together!"