Objective

By the end of this lesson, you will be able to practice basic arithmetic skills using magnetic tiles while building.

Materials and Prep

- Magnetic tiles
- A flat surface to build on
- A small container to hold the tiles
- A pen and paper for recording answers (optional)

No specific knowledge or preparation is required before starting this lesson.

Activities

1. Counting Tiles: Start by counting the number of magnetic tiles you have. Write down the number on a piece of paper if you wish. Practice counting the tiles out loud.
2. Addition: Choose two different numbers of tiles and place them side by side. Count the total number of tiles by adding the two numbers together. For example, if you have 3 tiles on one side and 4 tiles on the other side, count them together to get 7 tiles in total.
3. Subtraction: Start with a certain number of tiles. Remove some tiles and count how many are left. For example, if you have 8 tiles and remove 3, count how many are left by subtracting 3 from 8.
4. Patterns: Create simple patterns using the magnetic tiles. For example, you can alternate between red and blue tiles or create a repeating pattern of three different colors. Count the number of tiles in each pattern.
5. Grouping: Divide the tiles into equal groups. Count how many tiles are in each group and then count the total number of tiles. For example, if you have 12 tiles, group them into 3 equal groups and count how many are in each group and the total number of tiles.

Kindergarten Grade Talking Points

- "Today, we are going to have fun with magnetic tiles while practicing our math skills."
- "We will start by counting the number of magnetic tiles we have. Let's say the numbers out loud together."
- "Next, we will practice addition. We will choose two different numbers of tiles and count the total number by adding them together."
- "After that, we will try subtraction. We will start with a certain number of tiles and remove some. We will count how many are left."
- "Now, let's get creative and make patterns using the magnetic tiles. We will count the number of tiles in each pattern."
- "Finally, we will learn about grouping. We will divide the tiles into equal groups and count how many are in each group and the total number of tiles."