Numerical Patterns & Relationships

Today's Standard

5.OA.B3 - Generate two numerical patterns using two given rules. Identify apparent relationships between corresponding terms. Form ordered pairs consisting of corresponding terms from the two patterns, and graph the ordered pairs on a coordinate plane. For example, given the rule "Add 3" and the starting number 0, and given the rule "Add 6" and the starting number 0, generate terms in the resulting sequences, and observe that the terms in one sequence are twice the corresponding terms in the other sequence. Explain informally why this is so.

Real-World Applications for this Standard

Using patterns to predict weather changes.; Applying patterns in coding and algorithms.; Recognizing patterns in daily schedules or routines.; Analyzing patterns in sports statistics.; Using patterns to solve puzzles and games.

Today I Learned

Today, we learned how to create number patterns using simple rules and find relationships between them. We also learned how to graph these patterns on a coordinate plane.

Common Stumbling Blocks

Some students might think patterns only work with specific rules, but they work with many rules. Others might mix up the steps when making the patterns. We practiced with different examples and clear steps to help understand better.

Quiz Me

- What is a number pattern?
- How do you start a pattern?
- What do you do after you add the first number?
- What is an ordered pair?
- How do you put an ordered pair on a graph?

Help Me

A number pattern is a sequence of numbers that follow a rule, like adding the same number each time. We can use patterns to predict things or solve problems, like figuring out how much money you'll save if you add a little each week.