Evaluating Expressions and Order of Operations

Today's Standard

6.EE.A2c - Evaluate expressions at specific values of their variables. Include expressions that arise from formulas used in real-world problems. Perform arithmetic operations, including those involving whole-number exponents, in the conventional order when there are no parentheses to specify a particular order (Order of Operations). For example, use the formulas V = s^3 and A = 6s^2 to find the volume and surface area of a cube with sides of length s = 1/2.

Real-World Applications for this Standard

Calculating the volume of a cube using V = s^3; Finding the surface area of a cube using A = 6s^2; Solving real-world problems involving formulas; Evaluating expressions in scientific contexts

Today I Learned

Today, we learned how to evaluate math expressions by putting in specific numbers for the letters. We also learned how to follow the rules for doing math in the right order.

Common Stumbling Blocks

Sometimes, kids might do the math steps in the wrong order, which can give the wrong answer. Another tricky part is working with fractions or decimals.

Quiz Me

- What do you do first when solving an expression?
- What is the formula for the volume of a cube?
- How do you find the surface area of a cube?
- What should you do if there are no parentheses in an expression?
- Why is it important to follow the order of operations?

Help Me

When you see a math problem with letters, you put in the numbers for each letter and then do the math step by step. This helps us solve real-world problems, like finding the size of a box.