Properties of Integer Exponents

Today's Standard

8.EE.A1 - Know and apply the properties of integer exponents to generate equivalent numerical expressions. For example, 32 × 3-5 = 3-3 = 1/33 = 1/27.

Real-World Applications for this Standard

Calculating compound interest in finance.; Determining population growth in biology.; Computing data storage in computer science.; Modeling radioactive decay in physics.

Today I Learned

Today, we learned about integer exponents. These are numbers that tell us how many times to multiply a base number by itself.

Common Stumbling Blocks

Sometimes, kids think they should add the bases when multiplying exponents, but they should add the exponents. Another mistake is mixing up the rules for multiplying and adding exponents.

Quiz Me

- What is an exponent?
- What does an exponent tell us to do?
- What should you do when you multiply exponents with the same base?
- What is a common mistake with exponents?
- Can you give an example of multiplying exponents?

Help Me

Exponents are used in many real-world situations, like calculating interest in a bank account or figuring out how fast a population grows. By understanding exponents, we can make better decisions in these areas.