Rewriting Expressions in Different Forms

Today's Standard

7.EE.A2 - Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related. For example, $a + 0.05a = 1.05a$ means that 'increase by 5%' is the same as 'multiply by 1.05.'

Real-World Applications for this Standard

Calculating sales tax and discounts; Understanding interest rates; Comparing different pricing models; Analyzing budget changes; Converting units of measurement

Today I Learned

Today, we learned how changing the way we write math problems can help us understand them better. For example, 'increase by 5%' is the same as 'multiply by 1.05.'

Common Stumbling Blocks

Sometimes, kids think that changing how a math problem looks changes its answer. That's not true! Also, they might mix up rewriting problems with solving them. We can help by showing them examples.

Quiz Me

- What does rewriting a math problem mean?

- Does rewriting change the answer?

- What is an example of rewriting?

- Why do we rewrite math problems?

- How can we avoid mistakes when rewriting?

Help Me

Rewriting math problems helps us see them in different ways. For example, if you want to know how much 5% more is, you can just multiply by 1.05. This is useful in real life, like when shopping or saving money.