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.'

Cues	Notes
What is rewriting an expression?	Rewriting an expression means changing its form without changing its value.
Why is it important?	It helps to understand relationships between quantities and solve problems more easily.
How does rewriting help in problem-solving?	Different forms can provide different insights into a problem.
What are common misconceptions?	Misconception: Rewriting changes the value. Misconception: Confusing rewriting with solving equations.
How can we avoid these misconceptions?	Use visual aids, guided practice, and clear examples to avoid misconceptions.

Summary

Rewriting expressions in different forms helps in understanding relationships between quantities and solving problems. It is important to differentiate between rewriting expressions and solving equations to avoid common misconceptions.