



Solving Equations and Inequalities

Today's Standard

7.EE.B4 - Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities.

Cues	Notes
Variables	Variables represent quantities that can change.
Equations	Equations are mathematical statements that show two expressions are equal.
Inequalities	Inequalities show the relationship between expressions that are not necessarily equal.
Real-world applications	Real-world applications include budgeting, travel calculations, and comparing prices.
Common misconceptions	Common misconceptions include thinking variables always represent the same quantity and solving inequalities the same way as equations.

Summary

Understanding how to use variables in equations and inequalities helps solve real-world problems. It's important to recognize that variables can represent different quantities and that inequalities require specific rules when solving.