Solving Linear Equations

Today's Standard

HSA.REI.B3 - Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.

Cues	Notes
What is a linear equation?	Linear equations are equations that make a straight line when graphed.
What are inequalities?	Inequalities show the relationship between expressions that are not equal.
How do you solve equations with letters as coefficients?	To solve equations with letters as coefficients, isolate the variable using inverse operations.
Why is it important to reverse the inequality sign?	Reversing the inequality sign is necessary when multiplying or dividing by a negative number to maintain the correct relationship.
What are common mistakes?	Common mistakes include assuming solutions must be whole numbers and not reversing the inequality sign.

Summary

Solving linear equations and inequalities involves understanding how to isolate variables and correctly apply algebraic rules, including handling coefficients and reversing inequality signs when necessary.