



Rearranging Formulas

Today's Standard

HSA.CED.A4 - Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations. For example, rearrange Ohm's law $V = IR$ to highlight resistance R .

Cues	Notes
Rearranging Formulas	Rearranging formulas involves isolating a specific variable.
Ohm's Law	Ohm's Law example: $V = IR$ can be rearranged to $R = V/I$.
Solving for Variables	The process is similar to solving equations: use inverse operations to isolate the variable.
Common Misconceptions	Misconception: Rearranging changes the relationship between variables. Misconception: Only one correct form of a formula exists.

Summary

Rearranging formulas is a crucial algebraic skill that involves isolating a specific variable using inverse operations. This process does not change the relationship between variables but provides different forms of the same equation. Understanding multiple forms of a formula is important for solving various real-world problems.