Comparing Functions Representations

Today's Standard

8.F.A2 - Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions). For example, given a linear function represented by a table of values and a linear function represented by an algebraic expression, determine which function has the greater rate of change.

Cues	Notes
Rate of change	Rate of change is the ratio of change in y to change in x.
Graph interpretation	Graphs visually show the relationship between variables.
Table analysis	Tables list values of variables and show patterns.
Algebraic expressions	Algebraic expressions provide a formula for the function.
Function comparison	Comparing functions involves analyzing their different representations.

Summary

Understanding and comparing different representations of functions helps in determining their properties, such as rate of change, and prepares students for more complex mathematical concepts.