Understanding Unit Rates

Today's Standard

6.RP.A2 - Understand the concept of a unit rate a/b associated with a ratio a:b with b ≠ 0, and use rate language in the context of a ratio relationship. For example, 'This recipe has a ratio of 3 cups of flour to 4 cups of sugar, so there is 3/4 cup of flour for each cup of sugar.' 'We paid $75 for 15 hamburgers, which is a rate of $5 per hamburger.'

Cues	Notes
What is a unit rate?	Unit rate: a ratio where the second term is 1 (e.g., 5 miles per 1 hour).
How do you find a unit rate?	To find a unit rate, divide the first term by the second term.
Difference between rate and ratio?	Rate compares different units (e.g., miles/hour), ratio compares same units (e.g., cups of flour to cups of sugar).
Examples of unit rates?	Examples: $5 per hamburger, 60 miles per hour, 3/4 cup of flour per cup of sugar.
Common misconceptions?	Misconceptions: confusing rate and ratio, assuming unit rates are always whole numbers.

Summary

Unit rates are ratios with a second term of 1 and are used to compare different units. Understanding unit rates is essential for solving real-world problems and avoiding common misconceptions, such as confusing rates with ratios and assuming unit rates are always whole numbers.