Unit Rates and Speed Calculations

Today's Standard

6.RP.A3b - Solve unit rate problems including those involving unit pricing and constant speed. For example, if it took 7 hours to mow 4 lawns, then at that rate, how many lawns could be mowed in 35 hours? At what rate were lawns being mowed?

Real-World Applications for this Standard

Comparing prices in grocery stores to find the best deal; Calculating travel time and speed for road trips; Determining the rate of work completion in project management; Analyzing sports statistics like running speed or batting averages

Today I Learned

Today, we learned about unit rates. A unit rate compares a quantity to one unit of another quantity, like miles per hour or price per item.

Common Stumbling Blocks

Kids might think the total time or distance is the same as the unit rate, but it's not. They also might divide the wrong numbers to find the unit rate.

Quiz Me

- What is a unit rate?
- How do you find a unit rate?
- Can you give an example of a unit rate?
- Why do we use unit rates?
- What is one mistake people make with unit rates?

Help Me

Unit rates help us compare things easily. For example, when shopping, you can use unit rates to find out which item is cheaper per ounce. Or, when traveling, you can calculate how fast you're going in miles per hour. Understanding unit rates helps us make better decisions in everyday life.