Solving Multistep Ratio and Percent Problems

Today's Standard

7.RP.A3 - Use proportional relationships to solve multistep ratio and percent problems. Examples: simple interest, tax, markups and markdowns, gratuities and commissions, fees, percent increase and decrease, percent error.

Cues	Notes
What is a proportional relationship?	Proportional relationships involve two quantities that change at the same rate.
How do you calculate percent increase?	Percent increase is calculated by finding the difference between the new and original values, dividing by the original value, and multiplying by 100.
How do you calculate percent decrease?	Percent decrease is calculated by finding the difference between the original and new values, dividing by the original value, and multiplying by 100.
What are examples of real-world applications?	Examples include calculating tax, discounts, tips, commissions, and simple interest.
Why is accuracy important?	Accuracy is important to ensure correct calculations in real-world situations like finance and measurement.

Summary

Understanding and solving proportional relationships and percent problems are crucial for real-world applications. Students need to grasp the differences in calculations for percent increase and decrease and recognize the importance of accuracy.