Multiplying and Dividing Rational Numbers

Today's Standard

7.NS.A2c - Apply properties of operations as strategies to multiply and divide rational numbers.

Cues	Notes
What are rational numbers?	Rational numbers include fractions, decimals, and negative numbers.
How do you multiply rational numbers?	To multiply rational numbers, multiply the numerators and denominators.
How do you divide rational numbers?	To divide rational numbers, multiply by the reciprocal.
What are common misconceptions?	Common misconceptions: Properties don't apply to negatives, dividing by fractions is like whole numbers.
How can we apply this knowledge in real life?	Applications: Shopping discounts, recipe adjustments, budgeting, distance problems.

Summary

Understanding how to multiply and divide rational numbers using properties of operations is essential for solving real-world problems and preparing for advanced mathematics.