Subtraction of Rational Numbers

Today's Standard

7.NS.A1c - Understand subtraction of rational numbers as adding the additive inverse, p - q = p + (-q). Show that the distance between two rational numbers on the number line is the absolute value of their difference, and apply this principle in real-world contexts.

Cues	Notes
What is the additive inverse?	Additive inverse: The opposite of a number.
How do you subtract rational numbers?	Subtracting rational numbers: p - q = p + (-q).
What is absolute value?	Absolute value: The distance of a number from zero on the number line, always positive.
How is distance calculated on a number line?	Distance calculation: The absolute value of the difference between two numbers.
Real-world applications of rational number subtraction	Examples: Temperature changes, financial calculations, map distances.

Summary

Understanding subtraction of rational numbers involves adding the additive inverse and using absolute value to determine distances on the number line. This concept has various real-world applications.