



Additive Inverses and Rational Sums

Today's Standard

7.NS.A1b - Understand $p + q$ as the number located a distance $|q|$ from p , in the positive or negative direction depending on whether q is positive or negative. Show that a number and its opposite have a sum of 0 (are additive inverses). Interpret sums of rational numbers by describing real-world contexts.

Real-World Applications for this Standard

Balancing a checkbook; Temperature changes; Elevation differences; Profit and loss in business

Today I Learned

Today, we learned about adding positive and negative numbers. We found that a number and its opposite add up to zero.

Common Stumbling Blocks

Sometimes, kids think that adding a number to its opposite doesn't make zero. They might also mix up which way to move on the number line when adding negative numbers.

Quiz Me

- What happens when you add a number to its opposite?
- What is the absolute value?
- Which direction do you move on a number line when adding a positive number?
- Which direction do you move on a number line when adding a negative number?
- Can you give an example of adding positive and negative numbers?

Help Me

When we add numbers like temperatures going up or down, we use positive and negative numbers. Adding a number to its opposite, like 5 and -5, always makes zero. This helps us understand real-world problems better!