



## Solving Simple Equations

### Today's Standard

6.EE.B7 - Solve real-world and mathematical problems by writing and solving equations of the form  $x + p = q$  and  $px = q$  for cases in which  $p$ ,  $q$  and  $x$  are all nonnegative rational numbers.

### Real-World Applications for this Standard

Calculating total cost when given unit price and quantity.; Determining distance traveled at a constant speed over a given time.; Finding the number of items needed to reach a certain total weight.

### Today I Learned

Today, we learned how to solve equations like  $x + p = q$  and  $px = q$ . This means finding the value of  $x$  that makes the equation true.

### Common Stumbling Blocks

Sometimes, kids think the variable is a specific number, but it can be any number that works in the equation. They might also forget to do the same thing to both sides of the equation.

### Quiz Me

- What is an equation?
- What does a variable represent?
- How do you solve  $x + p = q$ ?
- What do you do to both sides of an equation?
- Can a variable be more than one number?

### Help Me

To solve equations like  $x + p = q$ , think about real-life problems. For example, if you know the total cost and the price of one item, you can find out how many items you have. This helps us understand how to find unknown values in different situations.