



Place Value Relationships

Today's Standard

5.NBT.A1 - Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and $\frac{1}{10}$ of what it represents in the place to its left.

Real-World Applications for this Standard

Understanding money and currency; Measuring distances and weights; Reading large numbers in scientific contexts; Interpreting data in charts and graphs; Solving problems involving unit conversions

Today I Learned

Today, we learned about place value. In a big number, each digit is worth 10 times more than the digit to its right and $\frac{1}{10}$ of the digit to its left.

Common Stumbling Blocks

Some kids might think that the value of a digit changes by one place instead of by 10 times. Others might think that the value of a digit is the same no matter where it is in the number.

Quiz Me

- What does place value mean?
- How much more is a digit worth in the place to its left?
- How much less is a digit worth in the place to its right?
- Can you give an example of place value using money?
- Why is place value important?

Help Me

Place value helps us understand how much each digit in a number is worth. For example, in the number 345, the 3 is worth 300 because it's in the hundreds place. This helps us with money, measurements, and reading big numbers.