



Understanding Fractions as Division

Today's Standard

5.NF.B3 - Interpret a fraction as division of the numerator by the denominator ($a/b = a \div b$). Solve word problems involving division of whole numbers leading to answers in the form of fractions or mixed numbers, e.g., by using visual fraction models or equations to represent the problem. For example, interpret $3/4$ as the result of dividing 3 by 4, noting that $3/4$ multiplied by 4 equals 3, and that when 3 wholes are shared equally among 4 people each person has a share of size $3/4$. If 9 people want to share a 50-pound sack of rice equally by weight, how many pounds of rice should each person get? Between what two whole numbers does your answer lie?

Real-World Applications for this Standard

Sharing a pizza among friends; Dividing a bag of candies equally; Splitting a bill at a restaurant; Distributing weights in a gym; Sharing resources in a group project

Today I Learned

Today, we learned that fractions can be seen as division. For example, $3/4$ means you divide 3 by 4. This helps us solve problems like sharing food equally.

Common Stumbling Blocks

Some kids think $3/4$ means 3 divided by 4 equals 3, but it actually means 3 parts out of 4. Others think fractions can't be more than one, but they can be!

Quiz Me

- What is a fraction?
- How do you divide 3 by 4?
- Can a fraction be more than one?
- What is $3/4$ as a division?
- Give an example of a fraction in real life.

Help Me

A fraction like $\frac{3}{4}$ means you take something and divide it into 4 equal parts, then take 3 of those parts. For example, sharing a pizza among friends.