Division of Fractions in Real World

Today's Standard

5.NF.B7c - Solve real world problems involving division of unit fractions by non-zero whole numbers and division of whole numbers by unit fractions, e.g., by using visual fraction models and equations to represent the problem. For example, how much chocolate will each person get if 3 people share 1/2 lb of chocolate equally? How many 1/3-cup servings are in 2 cups of raisins?

Real-World Applications for this Standard

Dividing a pizza among friends; Sharing a bag of candy; Dividing a recipe into smaller portions; Allocating time slots in a schedule; Distributing resources evenly in group projects

Today I Learned

Today, we learned how to solve problems by dividing fractions. For example, if you have 2 cups of raisins and want to know how many 1/3-cup servings you can get, you divide 2 by 1/3.

Common Stumbling Blocks

Sometimes kids think that dividing by a fraction is the same as dividing by a whole number, which is not true. They might also mix up the top and bottom numbers of fractions.

Quiz Me

- What is 1/2 divided by 2?
- How many 1/4s are in 1?
- What is the reciprocal of 1/3?
- If you have 2 cups of juice, how many 1/2-cup servings can you get?
- What happens when you divide by a fraction?

Help Me

When you divide by a fraction, it's like multiplying by the opposite of that fraction. For example, dividing by 1/2 is the same as multiplying by 2. This helps us solve real-life problems, like sharing food or dividing tasks.