



Multiplying Fractions by Whole Numbers

Today's Standard

4.NF.B4c - Solve word problems involving multiplication of a fraction by a whole number, e.g., by using visual fraction models and equations to represent the problem. For example, if each person at a party will eat $\frac{3}{8}$ of a pound of roast beef, and there will be 5 people at the party, how many pounds of roast beef will be needed? Between what two whole numbers does your answer lie?

Real-World Applications for this Standard

Cooking recipes that require fractional measurements; Dividing a pizza or cake among a certain number of people; Calculating portions for a group event or party; Determining the amount of material needed for a craft project; Budgeting and dividing money among different categories

Today I Learned

Today, we learned how to multiply a fraction by a whole number using word problems and visual models. For example, if each person eats $\frac{3}{8}$ of a pound of roast beef and there are 5 people, we can figure out how much roast beef is needed.

Common Stumbling Blocks

Some kids might think multiplying a fraction by a whole number makes it bigger. Others might mix up multiplying and adding fractions. Using pictures and practice can help fix these mistakes.

Quiz Me

- What is $\frac{3}{8}$ times 5?
- If you have 4 friends and each gets $\frac{1}{2}$ of a pizza, how many pizzas do you need?
- How do you multiply a fraction by a whole number?
- What does $\frac{2}{3}$ times 3 equal?
- Can you show me how to use a picture to multiply $\frac{1}{4}$ by 4?

Help Me

Multiplying fractions by whole numbers is like adding the fraction over and over. For example, if you need $\frac{3}{8}$ of a pound of roast beef for each person and there are 5 people, you multiply $\frac{3}{8}$ by 5 to find out how

much roast beef you need.