



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 $\frac{1}{2}$ lb of chocolate equally? How many $\frac{1}{3}$ -cup servings are in 2 cups of raisins?

Cues	Notes
What is a unit fraction?	A unit fraction is a fraction with a numerator of 1.
How do you divide by a fraction?	Dividing by a fraction means multiplying by its reciprocal.
What is the reciprocal of a fraction?	The reciprocal of a fraction is obtained by swapping its numerator and denominator.
Why use visual models?	Visual models help in understanding the concept of dividing fractions.
Example problems	Example: Dividing $\frac{1}{2}$ lb of chocolate among 3 people.

Summary

Understanding division of fractions involves recognizing that dividing by a fraction is the same as multiplying by its reciprocal. Visual models and real-world examples can aid in grasping this concept.