



Understanding Fractions as Multiples

Today's Standard

4.NF.B4a - Understand a fraction a/b as a multiple of $1/b$. For example, use a visual fraction model to represent $5/4$ as the product $5 \times (1/4)$, recording the conclusion by the equation $5/4 = 5 \times (1/4)$.

Cues	Notes
What is a fraction?	A fraction represents a part of a whole.
What is a unit fraction?	A unit fraction has a numerator of 1 and represents one part of a whole divided into equal parts.
How can $5/4$ be represented?	$5/4$ can be represented as 5 times $1/4$, using a visual fraction model.
What are common misconceptions?	Common misconceptions include thinking $5/4$ is just 5 divided by 4 and confusing fraction multiplication with whole number multiplication.
How can we correct these misconceptions?	Use visual models and targeted practice to correct misconceptions.

Summary

Understanding fractions as multiples of unit fractions helps students grasp the relationship between fractions and whole numbers. Visual models and targeted practice are key to overcoming common misconceptions.