Dividing by Unit Fractions

Today's Standard

5.NF.B7b - Interpret division of a whole number by a unit fraction, and compute such quotients. For example, create a story context for 4 ÷ (1/5), and use a visual fraction model to show the quotient. Use the relationship between multiplication and division to explain that 4 ÷ (1/5) = 20 because 20 × (1/5) = 4.

Cues	Notes
Division by Unit Fractions	Dividing a whole number by a unit fraction increases the number of parts.
Visual Fraction Models	Use visual fraction models to understand the division process.
Inverse Relationship	Multiplication and division are inverse operations.

Summary

Understanding division by unit fractions helps students grasp the concept that dividing by a fraction increases the number of parts, which is crucial for more advanced fraction operations.