



Multiplication of Fractions

Today's Standard

5.NF.B6 - Solve real world problems involving multiplication of fractions and mixed numbers, e.g., by using visual fraction models or equations to represent the problem.

Cues	Notes
What is the standard 5.NF.B6?	Standard 5.NF.B6 involves solving real-world problems using multiplication of fractions and mixed numbers.
What are common misconceptions about multiplying fractions?	Common misconceptions include thinking that multiplying fractions makes them larger and confusing multiplication with addition.
How can visual models help in understanding fraction multiplication?	Visual models like fraction bars and circles help students see that multiplying fractions results in smaller products.
What are some real-world applications of multiplying fractions?	Real-world applications include cooking, scaling recipes, determining areas, splitting bills, and converting measurements.
What knowledge should students have before learning this standard?	Students should understand basic fraction operations and multiplication concepts before learning this standard.

Summary

Standard 5.NF.B6 teaches students to solve real-world problems by multiplying fractions and mixed numbers. Key concepts include understanding that multiplication of fractions results in smaller numbers, not larger, and differentiating between multiplication and addition of fractions. Visual models and practical applications help reinforce these concepts.