Equivalent Fractions and Addition

Today's Standard

4.NF.C5 - Express a fraction with denominator 10 as an equivalent fraction with denominator 100, and use this technique to add two fractions with respective denominators 10 and 100. For example, express 3/10 as 30/100, and add 3/10 + 4/100 = 34/100.

Cues	Notes
What is an equivalent fraction?	An equivalent fraction is a fraction that represents the same value but has different numerators and denominators.
How do you convert a fraction with a denominator of 10 to one with a denominator of 100?	To convert a fraction with a denominator of 10 to one with a denominator of 100, multiply both the numerator and the denominator by 10.
How can you add fractions with denominators of 10 and 100?	To add fractions with denominators of 10 and 100, first convert the fraction with the denominator of 10 to an equivalent fraction with a denominator of 100, then add the numerators.
Why is it important to understand equivalent fractions?	Understanding equivalent fractions is important for performing operations like addition and subtraction of fractions and for understanding the relationships between different fractions.

Summary

Understanding and converting equivalent fractions is crucial for adding fractions with different denominators. This skill is foundational for more advanced fraction operations.