Comparing Decimals to Thousandths

Today's Standard

5.NBT.A3b - Compare two decimals to thousandths based on meanings of the digits in each place, using >, =, and < symbols to record the results of comparisons.

Cues	Notes
What is place value?	Place value determines the value of a digit based on its position.
How do you compare decimals?	To compare decimals, align the numbers by the decimal point and compare digits from left to right.
What symbols are used to compare decimals?	Use >, =, and < symbols to record comparisons.
Why is place value important in comparing decimals?	Place value helps accurately determine which decimal is larger or smaller.
What are common misconceptions about comparing decimals?	Common misconceptions include thinking that longer decimals are always larger and that the value of a digit is the same regardless of its place.

Summary

Understanding place value is essential for comparing decimals accurately. Students use >, =, and < symbols to record comparisons and must avoid common misconceptions about decimal length and digit value.