



Dividing Unit Fractions

Today's Standard

5.NF.B7 - Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions.

Cues	Notes
What is a unit fraction?	A unit fraction is a fraction where the numerator is 1.
How do you divide a unit fraction by a whole number?	To divide a unit fraction by a whole number, multiply the fraction by the reciprocal of the whole number.
How do you divide a whole number by a unit fraction?	To divide a whole number by a unit fraction, multiply the whole number by the reciprocal of the fraction.
What are common misconceptions about dividing fractions?	Common misconceptions include thinking that dividing by a fraction is the same as dividing by a whole number, and that the result is always smaller.
What real-world applications involve dividing fractions?	Real-world applications include cooking, sewing, and dividing items into equal groups.

Summary

Dividing unit fractions by whole numbers and whole numbers by unit fractions involves understanding reciprocals and applying multiplication. Common misconceptions can be addressed using visual aids and real-world examples.