Dividing Integers and Rational Numbers

Today's Standard

7.NS.A2b - Understand that integers can be divided, provided that the divisor is not zero, and every quotient of integers (with non-zero divisor) is a rational number. If p and q are integers, then -(p/q) = (-p)/q = p/(-q). Interpret quotients of rational numbers by describing real-world contexts.

Cues	Notes
Integer Division	Integers can be divided if the divisor is not zero.
Rational Numbers	The quotient of two integers with a non-zero divisor is a rational number.
Negative Divisors	Negative numbers can be involved in division: -(p/q) = (-p)/q = p/(-q).
Real-World Applications	Real-world contexts help interpret the meaning of quotients.

Summary

Understanding integer division and rational numbers is key for solving real-world problems and prepares students for advanced math topics.