



Rational Numbers on Number Line

Today's Standard

6.NS.C6 - Understand a rational number as a point on the number line. Extend number line diagrams and coordinate axes familiar from previous grades to represent points on the line and in the plane with negative number coordinates.

Cues	Notes
Rational Numbers	Rational numbers include both positive and negative numbers.
Number Line	A number line extends infinitely in both directions, including negative numbers to the left of zero.
Coordinate Plane	The coordinate plane has four quadrants, where both x and y coordinates can be negative.
Negative Numbers	
Real-world Applications	Understanding negative numbers helps in real-life situations like temperatures below zero or bank overdrafts. Applications include plotting points on a map, measuring elevations, and understanding financial transactions.

Summary

Rational numbers can be represented on a number line and coordinate plane, including negative numbers. This understanding is crucial for real-world applications and advanced mathematical concepts.