

# NWEA Assessment Item Illustrating 6.NS.C.7

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**Domain:** The Number System

**6.NS.C:** Apply and extend previous understandings of numbers to the system of rational numbers.

**Calculator Availability:** No

Move symbols to the boxes to create three correct inequality statements.

$2\frac{1}{4}$	<input type="text"/>	$-15$
$-1\frac{4}{5}$	<input type="text"/>	$-\frac{1}{2}$
$ -9 $	<input type="text"/>	$9$

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**Alignment: 6.NS.C.7:** Understand ordering and absolute value of rational numbers.

This knowledge is fundamental for building continued understanding of number systems. This item requires students to use their understanding of the number system and absolute value as distance from zero to compare the values of rational numbers, including those that are negative.

**Coherence:** Students began work with the number line in grade 2, using it as a tool to order whole numbers. Students extended their knowledge in grades 4 and 5 to order fractions<sup>4.NF.A</sup> and decimals.<sup>5.NBT.A.3</sup> In grade 6, students learn that there is a number system that includes both positive and negative numbers, and that the distance from zero is a measure of magnitude, known as absolute value. This knowledge is foundational for the continued work in the rational number system, including representation and operations with rational numbers.<sup>7.NS.A</sup>

**Rigor:** This item attends to conceptual understanding. Students recall the concepts of a negative number and absolute value to compare rational numbers.

