

# NWEA Assessment Item Illustrating 1.NBT.B.3

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**Domain:** Number and Operations in Base Ten

**1.NBT.B:** Understand place value.

**Calculator Availability:** No



Move a symbol to each box to compare the numbers.

13  31

70  70

46  52

>

<

=

**Alignment: 1.NBT.B.3:** Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols  $>$ ,  $=$ , and  $<$ .

Students in grade 1 learn to compare numbers using their understanding of place value. When students understand the difference in magnitude between the tens place and the ones place, they understand why they should compare the tens digits first and then compare the ones digits if the tens are the same. Students who do not understand this may think  $46 > 52$ . Likewise, students who confuse the tens and ones places may think  $13 > 31$ . Students also use comparison symbols for the first time in grade 1.

**Coherence:** Students began comparing numbers in kindergarten using the comparison language *greater than*, *less than*, and *equal to*. Students developed foundational concepts of comparison by comparing both objects<sup>K.CC.C.6</sup> and digits up to 10.<sup>K.CC.C.7</sup> Students will continue to compare numbers in grade 2, when they will use place value understanding to compare three-digit numbers.<sup>2.NBT.A.4</sup> In grade 4, students will compare multi-digit whole numbers,<sup>4.NBT.A.2</sup> and in grade 5, they will compare multi-digit decimal numbers.<sup>5.NBT.A.3</sup>

**Rigor:** This item attends to conceptual understanding. Students use their understanding of the meaning of the tens and ones digits to compare numbers. Students also need to understand comparison symbols and be able to use them.

**Answer Key:**

Move a symbol to each box to compare the numbers.

$13 < 31$

$70 = 70$

$46 < 52$

>

<

=

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