



Topic B

Comparison of Pairs of Two-Digit Numbers

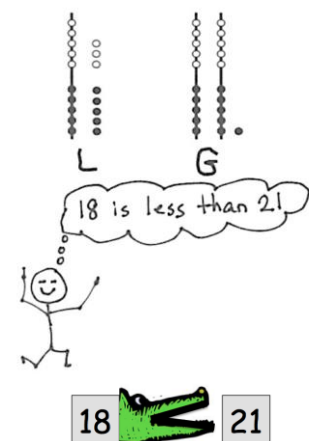
1.NBT.3, 1.NBT.2

Focus Standard:	1.NBT.3	Compare two two-digit numbers based on meaning of the tens and ones digits, recording the results of comparisons with the symbols $>$, $=$, and $<$.
Instructional Days:	4	
Coherence	-Links from: G1–M2	Introduction to Place Value Through Addition and Subtraction Within 20
	-Links to: G2–M3	Place Value, Counting, and Comparison of Numbers to 1,000

Topic B begins with Lesson 7, where students identify the greater or lesser of two given numbers. They first work with concrete materials, whereby they build each quantity (**1.NBT.2**) and find the greater or lesser number through direct comparison. They progress to the more abstract comparison of numerals using their understanding of place value to identify the greater or lesser value. Students begin with comparing numbers such as 39 and 12, where the number of both units in the greater number is more than in the smaller number. They then compare numbers such as 18 and 40, where they must realize that the place of the 4 explains the greater value of 40. 4 tens is greater than 1 ten 8 ones.

In Lesson 8, students continue to practice comparing, with the added layer of saying the comparison sentence from left to right. First, they order a group of numerals so that they are reading the set from least to greatest and then greatest to least, always reading from left to right. Then, as students compare two quantities or numerals, they place an *L* below the lesser quantity and a *G* below the greater quantity. When they read, they simply say the first numeral, the comparison word under the numeral, and then the second numeral. This prepares students for using the symbols in later lessons.

The topic closes with Lessons 9 and 10, where students use the comparison symbols $>$, $=$, and $<$ to compare pairs of two-digit numbers (**1.NBT.3**). In Lesson 9, students focus on the quantity that is greater as they use the alligator analogy to *eat* and identify the amount that's greater. Within this same lesson, students use the alligator analogy to then identify the amount that is less. Lastly, in Lesson 10, students write the appropriate mathematical symbol to compare two numerals, and then apply their knowledge of reading from left to right. For example, $18 < 40$ is read as "18 is less than 40."



A Teaching Sequence Toward Mastery of Comparison of Pairs of Two-Digit Numbers

Objective 1: Compare two quantities, and identify the greater or lesser of the two given numerals.
(Lesson 7)

Objective 2: Compare quantities and numerals from left to right.
(Lesson 8)

Objective 3: Use the symbols $>$, $=$, and $<$ to compare quantities and numerals.
(Lessons 9–10)