

Grade: 4th

Strand: Number & Operations in Base Ten

Standard/Topic: MAT-04.NBT.02

Read and write multi-digit whole numbers to the one millions place using base-ten numerals, word form, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons.



		Sample Activities
Score 4.0 Complex	In addition to Score 3.0, in-depth inferences and applications that go beyond the target content. The student will: • Identify and justify an error in a comparison that includes two whole numbers • Apply knowledge of place value to think critically while solving problems.	
	3.5 In addition to target performance, in-depth inferences and applications with partial understanding	
Score 3.0 Target	The student will: • Read multi-digit whole numbers to the one millions place • Write multi-digit whole number including the standard, word, and expanded forms to the one millions place • Compare two multi-digit whole numbers using $>$, $<$, $=$ to record the results of the comparison The student exhibits no major errors or omissions.	Examples: Read the number aloud 1,681,354 Write this number in standard or numeral form (one million, forty-five thousand, seven hundred sixty-three) Write 1,681,354 in word form (one million, six hundred eighty-one thousand, three hundred fifty-four) Write the number in expanded form: • 1,000,000 + 600,000 + 80,000 + 1,000 + 300 + 50 + 4 and/or • (1 x 1,000,000) + (6 x 100,000) + (8 x 10,000) + (1 x 1,000) + (3 x 100) + (5 x 10) + (4 x 1) Compare: 799,482 $\underline{\hspace{1cm}}$ 1,045,763 Note: • When reading or writing numbers, if a student uses the word "and" it is an error. The word "and" should only be used when reading a decimal. • When writing numbers in word form, commas should be used where they appear in standard form (i.e. two hundred thousand, three hundred fifty-one. 200,351 • Hyphens MAY or MAY NOT be

		used.
	2.5 No major errors or omissions regarding the simple content and partial understanding of the target content	
Score 2.0 Simple	There are no major errors or omissions regarding the simpler details and processes as the student: • The student will recognize or recall specific terminology, such as: ◦ Base-ten numerals, multi-digit whole number, value, word form, expanded form, compare/comparison, standard form • The student will perform basic processes, such as: ◦ Identify place value of thousands, ten thousands, hundred thousands, and millions ◦ Read multi-digit whole numbers to the thousands place ◦ Write multi-digit whole number including the standard, word, and expanded forms to the thousands place ◦ Comparing two numbers using concrete models, drawings or explanations However, the student exhibits major errors or omissions regarding the more complex ideas and processes.	Examples: Write a number 657,813 and ask students to identify the value of each digit (Teacher: What is the value of the 5 in this number? Student: 50,000) Read the number aloud 8,354 Write this number in standard form (five thousand, six hundred twenty-one) Write the number in word form (eight thousand, three hundred fifty-four) Write the number in expanded form: • $8,000 + 300 + 50 + 4$ and/or • $(8 \times 1,000) + (3 \times 100) + (5 \times 10) + (4 \times 1)$ Compare: $9,482 \underline{\hspace{1cm}} 5,763$ using number lines, base ten models, sketches, and/or manipulatives.
	1.5 Partial understanding of the simple, but major errors or omissions regarding the target content	
Score 1.0	With help, partial understanding of the simple and target content	
	0.5 With help, partial understanding of the simple content, but not the targeted content	