Unit 3b-Compare Two-Digit Numbers

Content Area: **Mathematics**
Course(s): **Math 1**
Time Period: **Marking Period 3**
Length: **MP3 Topic 9 9-1 to 9-6**
Status: **Published**

Essential Questions

- What are ways to compare numbers to 120?

Big Ideas

- Numbers and the Number Line: The set of real numbers is infinite and ordered. Whole numbers, integers, and fractions are real numbers. Each real number can be associated with a unique point on the number line.
- The Base-Ten Numeration System: The base-ten numeration system is a scheme for recording numbers using digits 0–9, groups of ten, and place value.
- Equivalence: Any number, measure, numerical expression, algebraic expression, or equation can be represented in an infinite number of ways that have the same value.
- Comparison and Relationships: Numbers, expressions, measures, and objects can be compared and related to other numbers, expressions, measures, and objects in different ways.
- Patterns, Relations, and Functions: Relationships can be described and generalizations made for mathematical situations that have numbers or objects that repeat in predictable ways. For some relationships, mathematical expressions and equations can be used to describe how members of one set are related to members of a second set.
- Practices, Processes, and Proficiencies:Mathematics content and processes can be applied to solve problems.

Cross Curricular Integration

Integration Area: Social Studies

6.1.2.HistoryUP.3: Use examples from the past and present to describe how stereotyping and prejudice can lead to conflict.

Activity: Students will collect data about the ages of important Black History Month figures. They will compare the ages of the significant figures using the symbols <, >, and =.

Diversity Integration

Race and Ethnicity

Objective: Students will be able to compare two digit numbers.

Description of Activity: Students will be able to answer story questions that compare two digit numbers and incorporate foods from different cultures. Example: Ana has 73 perogies. Sam has 85 perogies. Compare the numbers 73 _____ 85.

CSDT Technology Connection

8.1.2.AP.2 Model the way programs store and manipulate data by using numbers or other symbols to represent information

Enduring Understandings

Number Operations in Base Ten

1.NBT.C Understand Place Value

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 <. [M]

1.NBT.C.5 Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.

1.NBT.A.1 Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral.

Mathematical Practices

MP.1 Make sense of problems and persevere in solving them.

MP.2 Reason abstractly and quantitatively.

MP.3 Construct viable arguments and critique the reasoning of others.

MP.4 Model with mathematics.

MP.5 Use appropriate tools strategically.

MP.6 Attend to precision.

MP.7 Look for and make use of structure.

MP.8 Look for and express regularity in repeated reasoning.