

Unit 4: Compare Numbers to 10

Content Area: **Mathematics**
Course(s): **Math K**
Time Period: **November**
Length: **2 weeks**
Status: **Published**

Unit Summary

Students will use what they know about numbers to compare numbers by using matching and counting strategies. Students will then use these strategies to solve problems.

Standards

MA.K-12.7	Look for and make use of structure.
MA.K.CC.C.6	Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group, e.g., by using matching and counting strategies.
MA.K.CC.C.7	Compare two numbers between 1 and 10 presented as written numerals.
MA.K.OA.A.2	Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem.
CRP.K-12.CRP2	Apply appropriate academic and technical skills.
CRP.K-12.CRP2.1	Career-ready individuals readily access and use the knowledge and skills acquired through experience and education to be more productive. They make connections between abstract concepts with real-world applications, and they make correct insights about when it is appropriate to apply the use of an academic skill in a workplace situation.
TECH.8.1.2.A.CS1	Understand and use technology systems.
TECH.8.1.2.A.CS2	Select and use applications effectively and productively.

Student Learning Objectives

Students will learn to...

- use matching and counting strategies to compare sets with the same number of objects.
- use matching and counting strategies to compare sets when the number of objects in one set is greater than the number of objects in the other set.
- use matching and counting strategies to compare sets when the number of objects in one set is less than the number of objects in the other set.
- make a model to solve problems using a matching strategy.
- use a counting strategy to compare sets of objects.
- solve problems by using the strategy make a model.
- use counting strategies to compare sets of objects.
- compare two numbers between 0 and 10.

Essential Questions

- How can you compare two numbers between 0 and 10?

Enduring Understandings

Students will understand that...

- by matching objects or counting to compare sets (0-10) they can determine which is more, less or equal to.

Application

Students will be able to independently use their learning to...

- compare two written numerals 0 through 10.

Skills

Students will be skilled at...

- using one-to-one correspondence to identify sets with the same number, more, or fewer.
- making comparisons without counting when two sets of items are placed in an orderly arrangement.
- aligning counters in two rows with pieces of yarn between each set of two objects helps children see the one-to-one correspondence.
- matching objects to numbers orally as they count.
- recognizing the symbol that corresponds to a number.
- solving problems that deal with comparisons.
- explaining the process to solve a comparison problem, answering accurately, with appropriate precision.