

Which Group has Fewer Members?

Lesson Summary

The students will count different collections of objects and determine which collection has fewer members.

Major Topic and SOL

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| Math SOL (2009) | K.1 |
| Language SOL (2009) | K.1.a, K.2.a |

Length of Unit

45 Minutes

Student Objectives

In Mathematics the student will be able to:

- Given two sets, each containing 10 or fewer concrete objects, will identify and describe one set has having more members, fewer members, or the same number of members as the other set, using concept one-to-one correspondence

In Language the student will be able to:

- Listen to a variety of literary forms
- Use listening and speaking vocabulary – use number words

21st Century Skills

- Critical –Thinking and Problem Solving
- Communication
- Creativity and Innovation
- Collaboration
- Information and Media Literacy
- Contextual Learning

Assessment Evidence

- The teacher will move about the room observing students and asking questions about what the students are doing to ensure that they understand the task and can explain their strategy.
 - Questions, such as the following, will be asked:
 - “How could you show that in a different way?”
 - “How many more of this item would you need to make the groups the same number?”
 - Would your answer change if I added/took one from this group?”

Supplies/Materials/Technology

- Ten Black Dots by Donald Crews
- Two Colors of connecting cubes, put into bowls, with no more than 10 total
- Two decks of playing cards programmed with ten frames ranging from 1-10
- Bags containing two colors of stones (Each color will have no more than 20 represented)

Lesson Plan

Motivation & Building Background:

- The teacher will read Ten Black Dots. The teacher will ask the students if they see a pattern in the text. Students will answer questions about which number will come next and if that number is more or fewer than the one being shown.

Presentation

- The teacher will introduce the terms: more, fewer, and same.
- The teacher will use students to make a group of 3 and a group of 6. The students will then determine which group has fewer members. The students will do the same activity again with different numbers in each group.
- The teacher will explain the math centers in which the students will be participating.



Practice/Application



- The students will participate in one of the following activities based on the student's level of performance:
 - Activity 1: Connecting Tubes
 - The students will have a bowl with blue and red cubes. They will count, draw, and compare the blue and red cubes to determine which has a fewer number.
 - Activity 2: Ten Frame Cards
 - Much like the card game War, students will each turn over a card and determine which card has the fewer (lower) number. The student that has the "fewer" card wins the hand. Continue to play until one player has no more cards.
 - Activity 3: Comparing every-day items
 - The students in this group will compare the number of students in each of the kindergarten classrooms & determine which classrooms has fewer students.



- They will count the number of backpacks and rolling book-bags and determine which is fewer.
- They will complete the task again with lunchboxes compared to students getting lunch trays, boys and girls, red and white stones
- All of their results will be recorded on the chart provided.



Tables for Activity 3:

| Teacher 1 | Teacher 2 | Teacher 3 | Teacher 4 | Teacher 5 |
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