

TEACHER MATERIALS - Counting Animals

- CONCEPTS:** Math, Science, and Technology
 -Standard 3.2- Number and Numeration
 -Standard 3.5- Measurement
 -Standard 4.1, 4.6- Living Environment
 Career Development
 -Standard 3a.1- Basic Skills
- OBJECTIVES:** The students will learn to count to 10, sort into categories, determine more or less and match.
- BACKGROUND:** Utilizing the animal pictures introduced in the language arts section have the students use them for mathematics lessons.
- ACTIVITY:**
1. Conduct this lesson in conjunction with the language arts lesson of animal names on pages K-5 through K-54.
 2. Place the livestock pictures on the bulletin board or wall and perform these functions.

Cattle

 - A. Counting, ask the students:
 1. How many cattle are there?
 2. How many bulls?
 3. How many calves?
 4. How many black cattle are there?
 5. How many black bulls are there?
 6. How many black calves are there?
 7. How many brown (red) cattle are there?
 8. How many white/gray cattle are there?
 9. How many spotted cattle are there?
 10. How many cattle are there all together?
 - B. Matching:
 1. Match bulls to cows - one to one.
 2. Match cows to calves - one to one.
 - C. Comparing:
 1. Are there more black bulls or black calves? cows?
 2. Which group has the least animals?
 3. Which group has the most animals?

D. Sequencing:

1. Group the clusters in order - smallest to largest.
2. Group together the clusters that are equal.

Hogs

Counting, ask the students:

- A. How many hogs are there?
- B. How many piglets are there?
- C. How many spotted hogs are there?
- D. How many white hogs are there?

Sheep

Counting, ask the students:

- A. How many sheep are there?
- B. How many ewes are there?
- C. How many rams are there?
- D. How many sheep have black faces?

Horses

Counting, ask the students:

- A. How many horses are there?
 - B. How many brown horses are there?
- etc.

3. Make graphs of your findings or use the pictures to graph.
4. Follow this lesson with the beef and pork lessons in social studies.
5. A beautiful counting book is, Counting Wildflowers, by Bruce McMillan.

Suggested book: McMillan, Bruce. Counting Wildflowers. New York: Lothrop, Lee & Shepard Books, 1986.