

Dog Bone Count

Developed by: Cathy Walters

Discipline / Subject: Math

Topic: number recognition, 1-1 correspondence, writing numbers

Grade Level: PK-Kindergarten

Resources / References / Materials Teacher Needs: dog bootie or dog bowl, Milk-Bone brand Flavor Snacks for small and medium dogs, number line, basket and 3"x3" pieces of paper

Lesson Summary: Students will independently count dog bones, write the correct number on a piece of paper, check the number formation on the number line, then place the paper in the basket. Also instruct students to write their name or initials on the back of the paper.

Standards Addressed: (Local, State, or National)

Alaska state standards:

The student will demonstrate conceptual understanding of whole numbers to 20 by:

[K] N-1 demonstrating 1-1 correspondence (M1.1.1)

[K] N-2 recognizing and counting whole numbers from 0-20 (M1.1.1)

[K] N-3 writing and ordering whole numbers from 0-20 (M1.1.1)

Learning Objectives:

The student will:

1. Count dog bones independently
2. Check number formation on the number line
3. Write the number on a piece of paper

Method of Assessment for Learning:

Teacher assessment with the group. The teacher leads the class in counting the dog bones after the student's independent work. As a group, each child's piece of paper is checked for the correct number and number formation.

Procedural Activities:

1. Student goes to the Dog Bone Count Station.
2. Student takes bones out of bootie or dog bowl and counts them.
3. Student takes paper provided, writes number on paper.
4. Student checks number formation by looking at the number line.
5. Student makes correction.
6. Student puts dog bones back in the bootie or bowl for the next student.

Materials Students Need:

- Dog Bootie or Dog Bowl with dog bones
- Number line
- Markers
- 3"x3" Paper
- Basket

Technology Utilized to Enhance Learning:

Download photographs of huskies in their booties to put at the station! www.iditarod.com

Other Information:

I begin this station the third week of school. By this point in the school year we have introduced numbers, 1, 2, and 3 and have practiced their correct formation. This station is visited every day of the school year, so I take extra time the first two weeks to guide each student in the proper procedure. After two weeks my four and five year olds are counting, writing the number, checking it on the number line, writing their names on the paper, and placing it in the basket. This is an easy, fun, and educational station!

Note: A typical bootie holds up to ten bones comfortably. When working with numbers 11-20 and beyond I use a decorated, plastic dog bowl.

Modifications for Special Learners/ Enrichment Opportunities

This station can be used with older students by writing a word problem at the station. For example, "Count the dog bones in the bowl. If you give 5 dogs one bone a piece, how many bones will you have?"