

Lesson Plan Title: Joe Redington's Dog "Feets"

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Discipline / Subject: Math

Topic: Problem Solving

Grade Level: 4th – 6th

Resources / References / Materials Teacher Needs: *Iditarod, The First Ten Years* book

Lesson Summary: Students solve math problems based on a story about events in the life of Feets, a dog belonging to Joe Redington Sr.

Standards Addressed: (Local, State, or National)

CCSS.MATH.CONTENT.4.NBT.B.4, B.5, B.6

CCSS.MATH.CONTENT.5.NBT.B.5, B.6

CCSS.MATH.CONTENT.4.MD.A.2

Learning objectives:

- The student will read and understand the specifics of the problem.
- The student will solve the math questions based on the article, explaining mathematical thinking and showing a strategy

Assessment:

Student explanations

Procedural Activities

1. At a center during reading or math, have the *Iditarod, The First Ten Years* book open to pages 275, 276 "Feets" by Patty Friend.
2. Students read story in the book or teacher can read aloud to them as they draw what they are hearing. Give students time to draw.
3. Pose the math questions on a document camera, Google slide, or post at the center:
 - How many years ago from now was the Bicentennial celebration of the USA?
 - What do the roots "bi" and "cent" mean?
4. Pose questions below and ask students to draw out and work mathematically

Feets was to lead what was hoped to be the longest string of dogs ever assembled into one tem, 900 feet long, to pull a school bus down Knik Road.

1. Is there somewhere in your school that is 900 feet long so you can view how far Feets was from the school bus with the 198 other dogs? Measure this out in a field with a rolling meter or yard wheel. Write a paragraph about how difficult it might be to control that many dogs for that length. How could it be done?
2. If the dogs were paired along the gang line, pulling the school bus, how much space was allotted for each dog?
3. How much money would Joe Redington, Sr. have saved had Feets not been sold and then bought back?

Materials Students Need: drawing paper, rolling meter wheel

Technology Utilized to Enhance Learning:
Document camera

Other Information

Modifications for special learners/ Enrichment Opportunities

Look up on the Internet for other top efforts by sled dogs and write about them. Locate stories of other dogs famous for their efforts. See *Alaska's Dog Heroes* by Shelley Gill.