

BISON EATING

Measuring weight

Episode 210: Blossom and Snappy Go to the Zoo, Part Two
4th Grade

Note: This lesson is to be taught during lunchtime.

Georgia Performance Standards

- M4M1a Use standard and metric units to measure the weight of objects
- M4M1b Know units used to measure weight (gram, kilogram, ounces, pounds and tons)

Objectives

- The students will measure how much they eat (on average) in a day and compare it to what a bison eats in a day.
- The students will figure out how long it would take to eat as much as a bison does in one day.

Materials

- TV/VCR or Computer/LCD Projector
- Video *Count On It!* 210
- Scale (metric and/or standard) for weighing food
- Documentation sheet (included)

Procedure

Opening

- View *Count On It!* 210 clip “Bison” (VHS 21:36 – 22:38).
- Ask the question, “How long would it take for you to eat as much as a bison does in one day?” (The bison eats 100 lbs. per day.)

Work time

- Have students get their lunches from the cafeteria. They will each take turns weighing their tray (or bag) of food on the scale. If you have more than one scale, this will go much faster.
- Students need to make sure to subtract the weight of the empty tray/lunchbox.
- Have students write down on their document sheet how much their lunch weighed.
- Depending on the behavior of your class, they may eat lunch before continuing or while they work.
- Students need to use the information they have (the weight of their lunch and the weight of the amount of food a bison eats in a day) to figure out how long it would take for a fourth grader to eat as much as a bison eats in one day.
- Some students will need more assistance with this than others. For example, students need to remember to multiply the weight of the lunch by three (three

meals a day). They also need to convert the ounces (their lunch) to pounds as they begin figuring out how much they eat in a day, week, month, year, etc. so as to compare pounds to pounds.

Closing

- Put students into groups to share how they figured out how long it would take to eat 100 pounds of food (like a bison).
- Encourage groups to collaborate and assist group members who may have made errors in their calculations.

Assessment

- Data sheets may be graded.