

## OXBOW AT HOME

# Animal Care Math

## Part 1: Tortoises

Tortoises are reptiles, and are cold-blooded or ectothermic. Most reptiles do not eat every day, but tortoises LOVE to eat. They only like their vegetables and salads, though, which makes them herbivores. Oxbow Meadows has three African Sulcata Tortoises, also known as African Spurred Tortoises. Our Tortoises are named Gilligan, Bertha, and Norma. Each Tortoise is a different size, and each tortoise weighs a different amount. This tortoise species can eat between 1% - 5% of their body weight in leafy vegetables each day! Can you help our Zoo Keeper determine how much to feed the tortoises from today's video?

<https://www.facebook.com/CSUOxbowMeadows/videos/526110204978415/>

Gilligan weighs 35 pounds

Bertha weighs 20 pounds

Norma weighs 10 pounds

### **Problem 1:**

How many pounds of collard greens does each tortoise need to eat per day if they need to eat 5% (or  $1/20$ ) of their body weight?

Gilligan	Bertha	Norma

### **Problem 2:**

How many pounds of collard greens would each tortoise eat per week?

Gilligan	Bertha	Norma

# OXBOW AT HOME

## **Problem 3:**

Tortoises need a balanced, varied diet just like us to stay healthy. Most of the food that we buy in our grocery stores are weighed in ounces. Let's convert our answers from the problems above into ounces. Then, select from the vegetables below to make a diet that differs each day for Gilligan, Bertha, or Norma. Don't forget to include some collard greens in their diet! (If you'd like, create a diet for all three).

Note: 1 pound = 16 ounces



tomato  
2 oz.



turnip greens  
4 oz.



cucumber  
8 oz.



bell pepper.  
2 oz.



carrot  
1 oz.

## **Problem 4:**

How much more do you weigh than each tortoise? (Weigh yourself at home and then subtract each tortoise's weight from your weight). How much would you weigh in ounces?

## **Problem 5:**

If you were a tortoise, how much would you eat per day? Per week? Make yourself a "tortoise diet" using your own body weight.

Stay tuned for Wildlife Wednesdays on Oxbow Meadow's Facebook Page @CSUOxbowMeadows