Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**No Bones About It**

Look what has just been discovered in my backyard? My dog dug it up!

I took the bone to my amazing science friend, who carbon-14 dated it. He said that as of today it has 168 units of carbon-14. About how many units of carbon-14 will be in the bone 40,000 years from now? Justify your answers using a variety of methods.

What if this bone has been in my backyard for thousands of years? Using 168 units of carbon-14 in the bone, how much carbon-14 did it have 40,000 years ago? Justify your answers using a variety of methods.

Graph each set of data.

Write an expression to calculate the amount of carbon-14 in

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ years.   
 (# of years to be assigned by teacher)