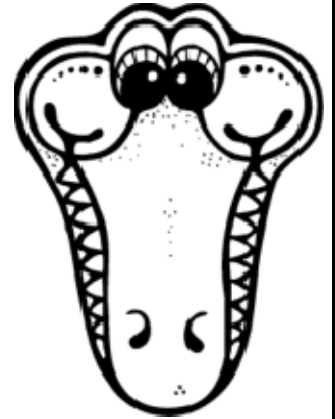


Name _____

Date _____

Making Inferences From Random Data - Guided Lesson

Complete the following problems:



1) A famous television channel put tags on 58 alligators and released them. Later, they catch 260 alligators; among those alligator, 50 were tagged. Calculate the best estimate for the alligator population?

2) Management wants to open a cafeteria in the office building. So they collected data from two random samples of 100 employees regarding employees' office lunch preference? Make at least two inferences based on the results.

Sample Group	Corn Dog	Philly Cheese steak	Reuben Sandwich	Total
#1	56	35	9	100
#2	78	12	10	100

3) A computer tracking chip company wants to test their chips. They marked 32 birds by attaching computer chips to their legs. Later on, they catch 440 birds, 28 of which are marked with computer chips attached to them. They provided this data to animal welfare authorities to estimate the bird population. To the nearest whole number, what is the best estimate of the bird population?

