


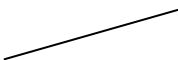

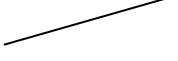


Name _____ Date _____

**Counting Animal Populations
"Mark and Recapture" Data Table**

Trial	Event	# Black Beans Captured	# White Beans Recaptured	# Marked Animals	Total Captured
1	First Trapping				
	Second Trapping				
2	First Trapping				
	Second Trapping				
3	First Trapping				
	Second Trapping				

$$N = \frac{\text{total captured in first trapping} \times \text{total captured in second trapping}}{\text{Number of marked recaptured}}$$

total population

Trial #	Estimated Population N
1	
2	
3	
Average	

Total Number of Black Beans _____ (Actual Population)

Calculate the percent error

$$\text{Percent Error} = \frac{\text{Actual Population} - \text{Calculated Average (N)}}{\text{Actual Population}} \times 100$$