

Name: _____

Date: _____

Predictions, Investigations, and Results: Why Do Orangutans Need So Much Forest Space?

INVESTIGATION A

Why do orangutans need so much forest space?

Set-up and predictions		
Environmental conditions		
Area of forest	% of fruit trees	Number of termites
Predictions		
Do you think your orangutan will do about the same, better, or worse than the other orangutans?		
Why?		

Results	
Individual results: Your orangutan's name: _____	
What was the ending energy level for your orangutan?	What made it easier or harder for your orangutan to find food?
Population results	
What was the range of energy levels for the population at the end?	What was the average (mean) energy level for the population at the end?
Sketch the class histogram here:	

Making sense (individuals)		
Circle the claim you agree with.		
My orangutan was unsuccessful at finding food.	My orangutan was moderately successful at finding food.	My orangutan was very successful at finding food.
Data from the investigation that support my claim:		
Factors that contributed to the outcome for my orangutan:		

Making sense (population)		
Circle the claim you agree with.		
The orangutan population was unsuccessful at finding food.	The orangutan population was moderately successful at finding food.	The orangutan population was very successful at finding food.
Data from the investigation that support my claim:		
Factors that contributed to the outcome for the orangutan population:		

INVESTIGATION B

What happens to the orangutans if there are **FEWER** fruit trees?

Set-up and predictions		
Environmental conditions		
Area of forest	% of fruit trees	Number of fermites
Predictions		
Do you think your orangutan will do about the same, better, or worse than the other orangutans?		
Why?		

Results	
Individual results: Your orangutan's name: _____	
What was the ending energy level for your orangutan?	What made it easier or harder for your orangutan to find food?
Population results	
What was the range of energy levels for the population at the end?	What was the average (mean) energy level for the population at the end?
Sketch the class histogram here:	

Making sense (individuals)		
Circle the claim you agree with.		
My orangutan was less successful at finding food compared to <i>Investigation A</i> .	My orangutan was equally as successful at finding food compared to <i>Investigation A</i> .	My orangutan was more successful at finding food compared to <i>Investigation A</i> .
Data from the investigation that support my claim:		
Factors that contributed to the outcome for my orangutan:		

Making sense (population)		
Circle the claim you agree with.		
The orangutan population was less successful at finding food compared to <i>Investigation A</i> .	The orangutan population was equally successful at finding food compared to <i>Investigation A</i> .	The orangutan population was more successful at finding food than in <i>Investigation A</i> .
Data from the investigation that support my claim:		
Factors that contributed to the outcome for the orangutan population:		

INVESTIGATION C

What happens to the orangutans if there are **MORE** fruit trees?

Set-up and predictions		
Environmental conditions		
Area of forest	% of fruit trees	Number of termites
Predictions		
<p>Do you think your orangutan will do about the same, better, or worse than the other orangutans?</p> <p>Why?</p>		

Results	
Individual results: Your orangutan's name: _____	
<p>What was the ending energy level of your orangutan?</p>	<p>What made it easier or harder for your orangutan to find food?</p>
Population results	
<p>What was the range of energy levels for the population at the end?</p>	<p>What was the average (mean) energy level for the population at the end?</p>
<p>Sketch the class histogram here:</p>	

Making sense (individuals)		
Circle the claim you agree with.		
My orangutan was less successful at finding food compared to <i>Investigation A</i> .	My orangutan was equally as successful at finding food compared to <i>Investigation A</i> .	My orangutan was more successful at finding food compared to <i>Investigation A</i> .
Data from the investigation that support my claim:		
Factors that contributed to the outcome for my orangutan:		

Making sense (population)		
Circle the claim you agree with.		
The orangutan population was less successful at finding food compared to <i>Investigation A</i> .	The orangutan population was equally successful at finding food compared to <i>Investigation A</i> .	The orangutan population was more successful at finding food than in <i>Investigation A</i> .
Data from the investigation that support my claim:		
Factors that contributed to the outcome for the orangutan population:		