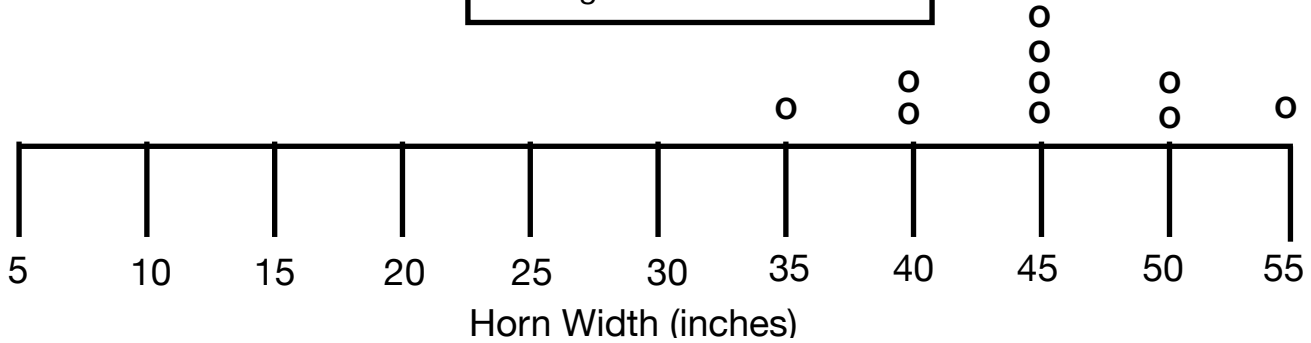




### Trait: Horn Width

Key:  
**X**=Ayuda's Horn Width  
**O**=Longhorn Cow Horn Width



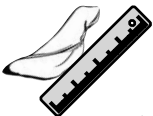
1. How many cows have horns that are wider than 35 inches? \_\_\_\_\_

2. Are most Longhorn horns wider, narrower, or the same as Ayuda's horn width?

Circle one:      **Wider** (bigger)      **Narrower** (smaller)      **The Same**

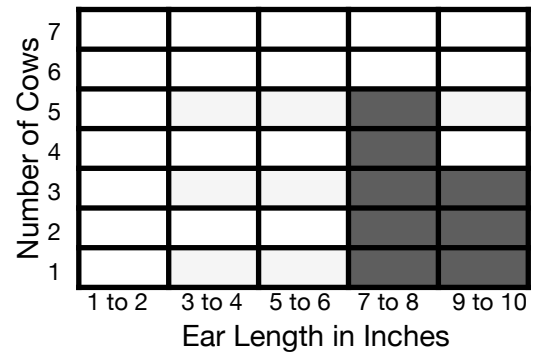
3. Based on the trait of horn width, do you think Ayuda is a Longhorn cow?

Circle one:      **Yes**      **No**      **Maybe**



### Trait: Ear Length

Ear Length in Inches	
Ayuda's Ear Length (inches)	Brahman Cow's Ear Length (inches)



4. What is the difference in length between Ayuda's ear and the Brahman cow's ear?

\_\_\_\_\_ inches

5. Based on the trait of ear length, do you think Ayuda is a Brahman cow?

Circle one:      **Yes**      **No**      **Maybe**



## Trait: Hair Length

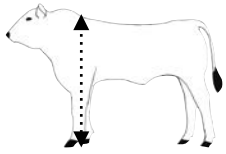
	Highland Cow 1	Highland Cow 2	Highland Cow 3	Highland Cow 4	Highland Cow 5	Highland Cow 6	Ayuda's Hair
Hair Length (inches)	4 1/4	4 1/2	4				

6. What is the most common whole-number length of hair for the Highland cows?

\_\_\_\_\_ inches

7. Based on the trait of hair length, do you think Ayuda is a Highland cow?

Circle one:      **Yes**              **No**              **Maybe**



## Trait: Height

Measure the length of string: \_\_\_\_\_ inches

Alfredo laid the string end to end **six times** to reach the height of the Chianina cow. To calculate the Chianina cow's height in inches, multiply the string's length by six.

\_\_\_\_\_ x 6 = \_\_\_\_\_ inches for the **Chianina cow**  
string length (inches)

Alfredo laid the string end to end **four times** to reach Ayuda's height. To calculate Ayuda's height in inches, multiply the string's length by four.

\_\_\_\_\_ x 4 = \_\_\_\_\_ inches for **Ayuda**  
string length (inches)

8. Which cow is taller? (circle one)      **Ayuda**      **Chianina cow**

9. Based on the height trait, do you think Ayuda is a Chianina cow?

Circle one:      **Yes**              **No**              **Maybe**

# Creating an Argument

**Evidence**

10. Use the data you collected at each station. What are Ayuda’s traits?

horn width = \_\_\_\_\_ inches                      ear length = \_\_\_\_\_ inches  
 hair length = \_\_\_\_\_ inches                      height = \_\_\_\_\_ inches

Trait	Cattle Type – Does Ayuda Share These Traits?				
	Longhorn	Brahman	Highland	Chianina	Criollo
Horn Width	Yes No				The Criollo cow’s horn width is _____ inches
Ear Length		Yes No			The Criollo cow’s ear length is _____ inches
Hair Length			Yes No		The Criollo cow’s hair length is _____ inches
Height				Yes No	The Criollo cow’s height is _____ inches

11. What cattle type do you think Ayuda is? Write two sentences using evidence from above to support your claim.

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12. Do you think your argument from the evidence is strong for the type of cow Ayuda is?

Circle one:                      **Yes**                      **No**