

Raul and Esteban just started working at their uncle’s farm on the weekends. Their first task was to count the ostriches and llamas. When they reported to their uncle, Raul said, “I counted 47 heads.” Esteban added, “I counted 122 legs.” “How many are ostriches? How many are llamas?” asked their uncle. “It’s getting dark and I promised your mother I’d get you home for dinner. There’s no time to count again. You’ll have to figure out how many ostriches and how many llamas there are from that information when you get home. Can you give me a call after dinner and let me know your answer?” How did Raul and Esteban figure out how many ostriches and how many llamas there were?



ostrich



llama

**Step 1: Look**

What do you notice and wonder about the information given? Complete the *I notice/I wonder* table below.

I notice...	I wonder...

**Step 2: Think**

1) In your own words, explain what you are being asked to do.

2) What kind of strategy(ies) can you use to find the answer? Circle or write your own.

Compute or Simplify	Use a Formula	Make a Model or Diagram
Make a Table, Chart or List	Guess, Check and Revise	Consider a Simpler Case
Eliminate Possibilities	Look for Patterns	Work Backwards
Unit Analysis	Algebra	

**Step 3: Try it**

Show any work that you perform to find the answer to your question here.

**Step 4: Check**

Did your work help you reach a conclusion? If so, what was/were your conclusion(s)? (You may write your conclusions as a list here.) If not, what can you do differently? Try and check again.

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**Step 5: Explain**

Explain what you have been able to figure out. If you are stuck, explain up to that point and then try to ask a specific question for what you need help with. Write complete sentences. Remember to explain *why* each step was taken.

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**Step 6: Revisit**

Have your partner read your explanation and write comments about it (Is there any clarification needed somewhere? What else can you do or say?).

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**Step 7: Finish**

Write your final draft keeping your partner's comments and suggestions in mind. Pay close attention to including answers to: What did you do? How did you do it? Why did you do that? What is/are your final conclusion(s)?