A survey of all the dogs and finches in the Leash and Cage pet store shows that there are 15 heads and 42 feet. How many finches are there?

Answer: 9 finches [and 6 dogs]
Leash and Cage Pet Store

Introduction

The problem that was assigned this week is about finding out how many finches there are in a pet store. The problem stated that there were dogs and finches that occupied the Leash and Cage pet store. The information that was given was there were 15 heads and 42 feet in the store.

Method

The strategy that I used in order to solve this problem was making a diagram. At first I did not understand the problem because I didn’t know what a finch was; however, after researching it online and talking to my friends I was able to start the problem solving process. After I found out that finches had two legs, I was able to set up a diagram. First I drew fifteen circles to represent each animal. Then, I drew each animal with two legs because I knew that each animal, dog or finch, had at least two legs; therefore, I knew that there were thirty out of forty-two legs have been accounted for. This meant that twelve legs were still left, so I added two more legs to each animal and stopped when a total of forty legs were used. In the end, I was able to figure out that there were six dogs and nine finches in the pet store.

Work

There were 9 finches at the pet store.
Conclusion and Reflection

This problem of week on finding the amount of finches in the pet store was somewhat difficult at first. However, after working with my friends and asking Mrs. Janssen for help, I was able to complete the problem. I like the strategy on using diagrams because it helped me with my think process. Drawing diagrams allowed me to organize the amount of legs that each animal had. I enjoyed using this strategy because it allowed me to draw pictures and be creative while using logic to solve the problem. The most difficult part of the strategy is coming up with a diagram that would best fit this problem. Overall, I enjoyed working on this problem of the week.
Leash and Cage Pet Store

Introduction

The problem that was assigned this week is about finding out how many finches there are in a pet store. The problem stated that there were dogs and finches that occupied the Leash and Cage pet store. The information that was given was there were 15 heads and 42 feet in the store.

Method

I used the diagram strategy to solve the problem. I made circles to represent each animal and drew legs. I found out that there were six dogs and 9 finches.

Work

There were 9 finches at the pet store.

Conclusion and Reflection

I like this problem of the week because it was easy. It was easy because I was able to solve the problem using a diagram. I like using diagrams.
Leash and Cage Pet Store

Introduction

The problem was about finding out how many finches were at the pet store.

Method

I made a diagram below to solve the problem.

Work

Answer is 9

Conclusion and Reflection

I like using diagrams to solve the problem.