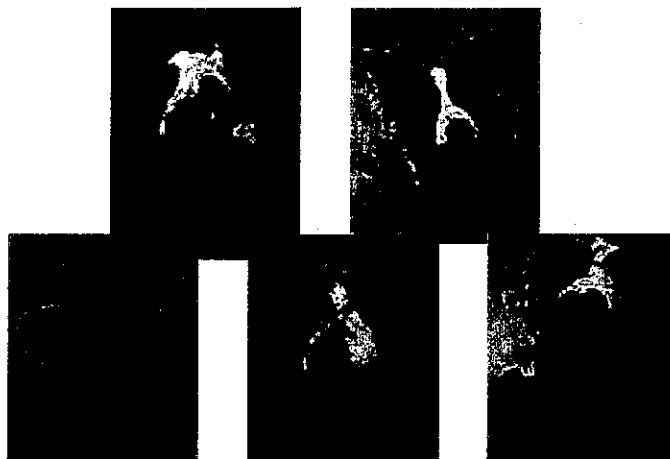


Whose Dog Is That?



Abigail, Beth, Celia, Dayna, and Eudora bring their dogs to the Little Red Schoolhouse for Dogs. During the morning break, they find that each of their pets has the same name as the husband of one of the other women.

In particular, they notice these facts.

- Abigail's dog is named George.
- Celia's dog is named Jerry.
- Eudora's dog is named Ike.
- Dayna's dog is named Frank.
- Abigail's husband is also named Frank.
- Beth's husband has the same name as George's wife's dog.
- Horace and his wife, Celia, have the best-behaved dog.

Your job is to figure out the names of each woman's husband and each woman's dog.

In addition, you must explain clearly how you found your answer. If you think there is more than one possibility, give all solutions, and explain why there are no more. If you think there is only one solution, explain why there are no others.

From Mathematics: Problem Solving Through Recreational Mathematics by Averbach and Chein. Copyright 1980 by W.H. Freeman and Company. Adapted with permission.

It's All Gone

A man goes into a store and says, "If you give me as much money as I have with me now, I will spend \$10 in your store." The store owner agrees, and the man spends the money.

He goes into a second store and again says, "If you give me as much money as I have with me now, I will spend \$10 in your store." Again, the owner agrees, and the man spends the money.

In a third store, he repeats his proposition. The proprietor agrees, and the man spends the money.

At this point, the man has no money left.

How much money did he have to begin with?
Explain your answer.

