

Buy and Sell the Dog



Rachel bought a charming little dog named Otis. She paid \$50 for him. Each week she got dog food, vitamins, and toys for Otis. These expenses began to add up, so she sold the dog for \$60. Rachel missed her dog, so two weeks later she bought him back for \$70. (Otis went cheap due to his questionable pedigree!)

Now Rachel's cousin, Andrew, wants to buy the dog for \$80. Big question: If she accepts his offer, would she have gained or lost money on *buying and selling* the dog (if so, tell by how much), or would she come out exactly even?

Ask Yourself:

1. What is the first transaction?
2. What amounts did Rachel earn? What amounts did she spend?
3. Did Rachel have any money when she first bought the dog?

Helpful Strategies:

- *Break the problem into smaller parts
- *Make a number line
- *Make a list or table
- *Act out the problem (use play money)