



Write an algebraic equation to represent each situation and then solve the equation.

1. Gary has already saved \$600 to purchase a car. If Gary wants to have \$3000 to buy a car in one year, how much must he save each month?
2. 4-H is an organization supported by land-grant universities for young people promoting learning, leadership, citizenship, and life skills through hands-on activities. Sharon is a member of a local 4-H club and has just purchased a 100-pound calf to raise for a 4-H project. She expects the calf to gain 60 pounds per month. How many months will it take for her calf to weigh 1000 pounds?
3. Kelly makes fleece hats that she sells at the local farmer's market for \$15 each. She would like to have 150 hats to sell at the next farmer's market scheduled in six weeks. She already has made 60 hats. How many must she make each week to reach her goal?
4. Ricardo attends the local university. He bought a student discount card for the bus. The card cost \$8 per month and allows him to purchase daily bus passes for \$1.75. At the end of one month, Paul calculates that he has spent a total of \$50 for costs to ride the bus. How many daily passes did Paul purchase for the month?