

INEQUALITIES IN TWO VARIABLES

PROBLEM 3: PEANUT BUTTER AND JELLY

Eric loves peanut butter and jelly, sometimes together and sometimes separate. Peanut butter has 190 calories per serving, and grape jelly has 50 calories per serving. How many servings of each can Eric have if he keeps his total calorie intake from these two foods under 1000?

PROBLEM 4: CATS AND DOGS

Our veterinarian charges \$55 for a check-up and the appropriate shots for each dog she sees. She charges \$50 for similar work for each cat. How many dogs and cats should she schedule if she wishes to bring in at least \$400 from these appointments?