Name: **Gail Lawrence**
Subject: **Math 209**
Date: **September 14, 2000**

Probability question:

1.   **50 pens marked with the numbers 1 to 50 are placed in a bag and one pen is drawn from it. What is the probability that the number on the pen will be a multiple of 5.**

     Probability of favourable outcome = $\dfrac{\text{number of equiprobable events which produce a favourable outcome}}{\text{the total number of equiprobable events}}$

     the multiples of 5 are 5, 10, 15, 20, 25, 30, 35, 40, 45, 50. Therefore, I have 50 equiprobable outcomes 10 of which are favourable.

     Pr (multiples of 5) = $\dfrac{10}{50}$ **=** $\dfrac{1}{5}$