

Department of Mathematics and Computer Science
Probability and Statistics Challenge Problems 10

Please submit solutions by Wednesday December 9, at 3pm

A total of 48% of the women and 37% of the men who took a certain “quit smoking” class remained nonsmokers for at least one year after completing the class. These people then attended a success party at the end of the year. If 62% of the original class was male,

1. what percentage of those attending the party were women?
2. what percentage of the original class attended the party?

Solutions to any or all of the problems may be submitted to John Sheriff (D510). If no one is in the office, just put the solution under the door. Please include your name and student number. Students with correct solutions will be acknowledged and prizes will be awarded at the end of the year based upon performance during the year. Problems and solutions are available at <http://www.cs.uleth.ca/~sheriff/statistics/challenge.htm>.