

Department of Mathematics and Computer Science  
Probability and Statistics Challenge Problems 14

*Please submit solutions by Wednesday February 10, at 3pm*

A small grocery store had 10 cartons of milk, 2 of which were sour. If you are going to buy the sixth carton of milk sold that day, where cartons of milk are sold at random, calculate the probability that you buy a carton of sour milk.

*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>.*