

MAT 118 Spring 2017

Homework #5

Due Friday, 3/10/17 in class

Please show all of the steps you take to solve the problems.

Also, write your recitation section number!

Problems from the text: 3.5.44, 3.6.52

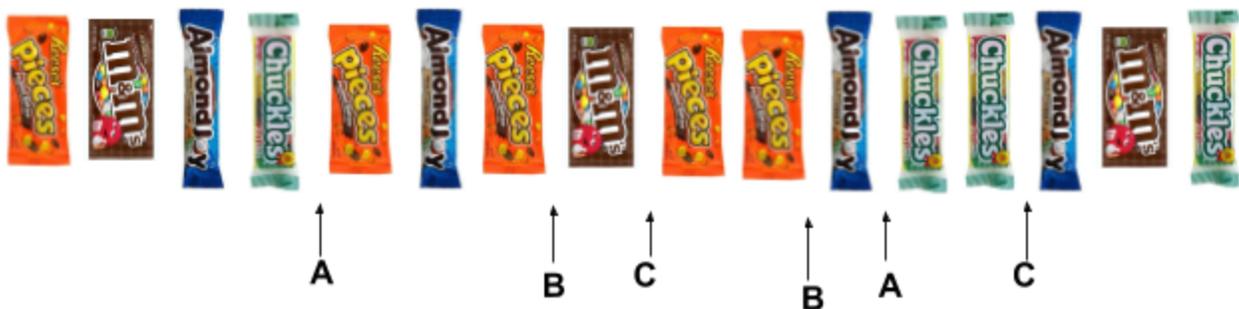
In addition to those problems, please answer the following questions. These are slight modifications of the last two problems on the practice exam.

I. Aleksander and Brittany are getting divorced. They are going to use the method of sealed bids to decide who gets their vacation property on Long Island. The bids, when revealed, are:

Aleksander	Brittany
\$500,000	\$450,000

Describe how the method of sealed bids proceeds. Be sure to record the fair share values of each player, the first settlement, the surplus, and the final settlement.

II. Three friends (A, B and C) are dividing candy that they collected Halloween night. They use the method of markers, and they place the markers as follows:



Carry out the method of markers to determine who gets what. How many pieces of candy does each player end up with in the end?