## Homework 21: Chapter 22 - Solutions

	Mint	Van	Fudge	Snick
E	.3	.1	.1	.5
K	.2	.2	.5	.1
E  to  Kvaluation ratios	3/2	1/2	1/5	5

1. Find the winner by the adjusted winner method for the example from Quiz 17:

- (a) If you give Snick and Mint to E, everything else to K, what are their values for their slices? E gets .8, K gets .6
- (b) If instead you give only Snick to E and everything else to K, what are their values for their slices? E gets .5 and K gets .9
- (c) Split the Mint between E and K in such a way that the division is equitable. Give 4/5 of Mint to E and the rest to K. Allocate the other components as above.
- (d) What are the properties of this division? Pareto-optimal, equitable, fair, envyfree? the result of the adjusted winner method has all four properties, always