

The preference rankings of a class of 21 college students for their favorite board game are as follows:

	Number of Votes					
	1	4	6	2	5	3
Monopoly	1	1	2	3	2	3
Risk	2	3	1	1	3	2
Scrabble	3	2	3	2	1	1

Part A (2 points): Which game (if any) wins a plurality of the vote?

Part B (2 points): Which game (if any) wins a plurality election with a runoff between the top two finishers?

Part C (2 points): Which game (if any) has the top Borda count?

	Number of Votes					
	1	4	6	2	5	3
Monopoly	1	1	2	3	2	3
Risk	2	3	1	1	3	2
Scrabble	3	2	3	2	1	1

Part D (2 points): The six voters who ranked Risk first, Monopoly second, and Scrabble third are unhappy with the Borda count. Could they obtain a favorable result in an election decided by the Borda method by voting strategically if the other members voted as shown in the table? If so, how? If not, why not?

Part E (2 points): Eighteen (18) new students join the class. What percentage of these voters would Monopoly need to ensure a plurality? *Note: Use the original rankings.*