1. Consider the election below.

	Number of Voters				
Candidate	**14**	**10**	**8**	**4**	**1**
Alfred Pennyworth	1st	4th	4th	4th	4th
Bruce Wayne	2nd	2nd	3rd	1st	3rd
Selina Kyle	3rd	1st	2nd	3rd	1st
Dick Grayson	4th	3rd	1st	2nd	2nd

   (a) How many points would each candidate get using Borda count? Which candidate is the Borda count winner?

   (b) How many points would the other candidates get if Dick Grayson dropped out of the election? Explain why this means that Dick Grayson is a spoiler candidate.

2. Members of an outdoor adventure club have voted on their next activity. The results are shown in the preference schedule below.

	Percentage of voters			
	40%	**25%**	**20%**	**15%**
Climbing	2nd	2nd	1st	3rd
Kayaking	1st	3rd	3rd	2nd
Paintball	4th	1st	2nd	4th
Sailing	3rd	4th	4th	1st

   (a) Use Borda count to find out how many points each activity will receive if there are exactly 100 voters.

   (b) Explain why the winner of the election does not depend on how many voters there are, just on the percentages in the table above.