

In the colleges in three regions of a particular country, students are given individual targets to achieve. Their performance is measured against their individual target and graded as ‘above target’, ‘on target’ or ‘below target’. For a random sample of students from each of the three regions, the observed frequencies are summarised in the following table.

		Region			Total
		<i>A</i>	<i>B</i>	<i>C</i>	
Performance	Above target	62	41	44	147
	On target	102	94	95	291
	Below target	56	45	61	162
	Total	220	180	200	600

Test, at the 10% significance level, whether performance is independent of region. [7]