1.	A sixth form college has 84 students in Year 12 and 56 students in Year 13	
	The head teacher selects a stratified sample of 40 students, stratified by year group.	
	(a) Describe how this sample could be taken.	(3)
	The head teacher is investigating the relationship between the amount of sleep, s hours, that each student had the night before they took an aptitude test and their performance in the test, p marks. For the sample of 40 students, he finds the equation of the regression line of p on s to be	
	p = 26.1 + 5.60s	
	(b) With reference to this equation, describe the effect that an extra 0.5 hours of sleep may have, on average, on a student's performance in the aptitude test.	
		(1)
	(c) Describe one limitation of this regression model.	(1)