6	The third term of an arithmetic series is 70 and the sum of the first 10 terms of the series is 450	
	(a) Calculate the common difference of the series.	(4)
	The sum of the first n terms of the series is S_n	
	Given that $S_n \geqslant 350$	
	(b) find the set of possible values of n .	(6)
		(6)

Question 6 continued			
	Total for Question 6 is 10 marks)		

