7	A geometric series $G$ with common ratio $r$ , has first term 16 and third term $\frac{2704}{625}$	
	(a) Find the two possible values of r	(2)
	Given that $r > 0$	
	(b) find the sum to infinity of <i>G</i>	(2)
	The sum to $n$ terms of $G$ is greater than 33	
	(c) Find, using logarithms, the least possible value of <i>n</i> Show your working clearly.	
		(5)

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Question 7 continued			
(Total for C	Question 7 is 9 marks)		

