10	The sum of the first and third terms of a geometric series G is 104	
	The sum of the second and third terms of G is 24	
	Given that G is convergent and that the sum to infinity is S , find	
	(a) the common ratio of G	
		(4)
	(b) the value of <i>S</i>	(4)
	The sum of the first and third terms of another geometric series H is also 104 and the sum of the second and third terms of H is 24. The sum of the first n terms of H is S_n	
	(c) Write down the common ratio of <i>H</i>	
		(1)
	(d) Find the least value of n for which $S_n > S$	(6)



Question 10 continued			



Question 10 continued			
	(Total for Question 10 is 15 marks)		
	TOTAL FOR PAPER IS 100 MARKS		

