1.	(a) Write down the next term in this sequence.	
	5 9 13 17	
		(1)
	(b) Describe the rule for continuing the sequence.	
		(1)
2.	(a) Write down the next term in this sequence.	
	2 6 18 54	
		(1)
	(b) Describe the rule for continuing the sequence.	
		(1)
3.	(a) Write down the next term in this sequence.	
	256 128 64 32	
		(1)
	(b) Describe the rule for continuing the sequence.	
		(1)



4.	Write down the next two numbers in this sequence.												
		7	8	10	13		**********						
								and		(1)			
5.	Write	e dow	n the n	ext two	o numb	pers in this s	sequence.						
		2	5	11	23								
								and		(1)			
6.	Here	e are t	he first	five te	rms of	a number s	sequence.						
		9	15	21	27	33							
	(a)	(i)	Write	down th	ne nex	t term of the	number se	quence					
										(1)			
		(ii)	Expla	in how	you fo	und your ar	iswer.						
					•••••			*********		(1)			
	302	is not	a term	n in this	numb	er sequenc	e.						
	(b)	Expla	in why										
							•••••						
										(1)			



7.	Here are the first four terms of a number sequence.	
	8 12 16 20	
	(a) (i) Write down the next term in the sequence.	
		(1)
	(ii) Explain how you found your answer.	
		 (1)
	(b) Write down the 9th term in the sequence.	
	(b) Write down the still term in the sequence.	
	Ricky says 1001 is in the sequence.	(1)
	(c) Explain why Ricky is wrong.	
	(c) Explain why ricky is wrong.	
		•••
		(1)
	Here are the first 4 terms in a number sequence.	
	132 124 116 108	
	(a) Write down the next two terms in this number sequence.	
	and	
	11 cannot be a term in this number sequence.	(1)
	(b) Explain why.	
		(1)



	Here										
		3	8	13	18	23					
	(a) \	Nork o	out the	10th to	arm of	thic n	umber s	aguence			
	(a) v	WOIK C	ut tile	TOUT LE	SIIII OI	uno m	allibel 5	equence			
											 (2)
	11	1	- C	£				3			
	Here	are tr	ie first	tour te	rms of	anotr	er numl	oer sequ	ience.		
		-2	4	10	16						
	(b)	Find	two n	umber	s that a	are in	both nu	mber se	quence	S.	
											 (2)
).			umber	1.5725		rm is t	o add a	where	a is an i		
).				1.5725		rm is t	o add a	where	a is an	nteger.	
·		rule fo		1.5725		rm is t		where	a is an	nteger.	
				1.5725		rm is t	o add a	where	a is an i	 nteger.	
L.	The	rule fo 8		g the r	next te			where	a is an	nteger.	
).	The	rule fo 8	r findin	g the r	next te			where	a is an	nteger.	
).	The	rule fo 8	r findin	g the r	next te			where	a is an	nteger.	
).	The	rule fo 8	r findin	g the r	next te			where	a is an	nteger.	
).	The	rule fo 8	r findin	g the r	next te			where	a is an	nteger.	
).	The	rule fo 8	r findin	g the r	next te			where	a is an	nteger.	



(a) The first term of a sequence is −5
The rule for continuing the sequence.

Multiply by 4 then Subtract 3

What is the second term of the sequence?

(1)

(b) Here is a rule for continuing a different sequence.

Add 4 then Multiply by 2

The second term of this sequence is 20. What is the first term?

(2)



12. Here is a sequence

1 3 17 115

To find the next term the rule is

multiply by a and then subtract b, where a and b are integers.

Find the values of a and b.

a	=															

13. Write down the next term in the sequence.

(2)