Name:Patterns and sequences 1								
Dbjective: To be able to find the general rule for a pattern/number sequence								
Step by step instructions								
Position Number	1	2	3	4	5			
Pattern	•	• • • • • • • • • • • • • • • • • • • •	• • • •	••••				
Terms	4	7						
Working out								
(b) Comple (c) What of (this is (d) Which (e) Fill in the (f) What of terms? (g) Use the position	his multiplicade do you need to e information on number (N)	ng pattern are each time? erm rule) notable has the tion table in o do to make from (d) and and numbe	ne same add the working your working d (f) to form r of dots:	ing on pattern?	ito the linking			

Name:							
		Patte	erns and	sequence	es 2		
Objective: To	be able	to find th	e general	rule for a p	pattern/nu	mber se	quence
Structured	questio	<u>n</u>					
Position Number	1		2	3	4		5
Terms	3		8	13	18		
Working out							
(this is (c) Use part boxes (d) What terms (e) Use the	the terment (b) to lead on you need to be information in the 100 of the terment of of the termen	to term help fill in eed to do ation fron er (N) and	rule) I the mult to make In (b) and I number		able in the	working es into t rule linki	he ing
Position Number	1	2	3	4	5	6	7
Terms	11	17	23	29			
Working out							
Rule:			-				

Name:	

Patterns and sequences 3

Objective: To be able to find the general rule for a pattern/number sequence

Structured question

Position Number	1	2	3	4	5
Terms	27	35	43	51	
Working out					

(b) What do you add on each time? _	
(this is the term to term rule)	

(c)	Use part (b)	to help fill	l in the	multiplicatio	n table iı	n the	working	out
	boxes							

(d) What is the general rule?	
(a) while is the general rule:	

	_				_	
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(I)	EXDIAIII	wiletilei	OI HOL	0/15111	นเมร ระเ	auence.

For the following questions:

- (i) Find the general rule (Nth term)
- (ii) Find the 100th term
- (ii) State whether 50 is in the sequence
- (a) 2, 15, 28, 41 ...
- (b) 112, 102, 92, 82, 72 ...
- (c) 5.9, 6.8, 7.7, 8.6, 9.5 ...
- (d) -8, -1, 6, 13, 20 ...