		Patterns ar	nd sequence	<u>es 1</u>				
jective: To	be able to f	nd the gene	ral rule for a	pattern/number	sequence			
ep by step	o instructio	<u>ns</u>						
Position Number	1	2	3	4	5			
Pattern	•	• • • • • • • • • • • • • • • • • • • •	• • • •	••••				
Terms 4 7								
Working out								
(b) Comple (c) What c (this is (d) Which (e) Fill in t (f) What c terms? (g) Use the positio	ete the missi do you add o the term to multiplicatio his multiplica do you need e information n number (N	ng pattern a n each time term rule) on table has t ation table ir to do to mal n from (d) ar l) and numbe	the same add the working ke your worki nd (f) to form er of dots:	ing on pattern?	o the nking			

Name:		

Patterns and sequences 1

Objective: 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					

out					İ
(a) In the I (b) Comple (c) What o (this is (d) Which (e) Fill in the (f) What o terms? (g) Use the positio	his multiplicated you need to be a considered to be	ng pattern and each time? _erm rule) in table has the tion table in to do to make from (d) and and number	e same adding the working or your working (f) to form a of dots:	g on pattern?	to the
Write any re	evision hints, r	notes or remi	nders to your	self here:	

Name:								Name:							
		Patte	rns and	sequences	<u>s 2</u>					Patte	erns and	sequence	s 2		
Objective: To	be able t	o find th	e general	rule for a p	attern/nu	ımber seq	luence	Objective: T	o be able	to find th	ie general	rule for a	oattern/nu	ımber se	quence
Structured o	question	<u>l</u>						Structured	questio	<u>n</u>					
Position Number	1		2	3	4		5	Position Number	1		2	3	4		5
Terms	3		8	13	18			Terms	3		8	13	18		
Working out								Working out							
(this is (c) Use par boxes (d) What d terms? (e) Use the	lo you add the term rt (b) to h lo you ned e informa n number s the 100 ^t	d on eac to term lelp fill in ed to do tion fron r (N) and	h time? _ rule) the mult to make y n (b) and (iplication to your workir (e) to form of dots:	able in the	es into th	e	(b) What (this i (c) Use p boxes (d) What terms (e) Use t positi	do you a s the terr art (b) to c do you n ?ne inform on numb is the 10	dd on each to term help fill in eed to do hation from er (N) and 0th term?	rule) the multi to make y m (b) and (iplication t your worki (e) to form of dots:	able in the	e working es into t rule link	ing
sequence: Position	1	2	3	4	5	6	7	sequence: Position	1	2	3	4	5	6	7
Number	1		3	4	3			Number	1	2	3	4	3		-
Terms	11	17	23	29				Terms	11	17	23	29			
Working out								Working out							
Rule:			-					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					

(a)	Complete	the	missing	pattern	and	terms
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(b) What do you add on each time?	
(this is the term to term rule)	

(c) Use part (b) to help fill in the multiplication table in the working out boxes

(d)	What is	the general	rule?	

(f)	Explain	whether	or no	t 87	is in	this	seai	uence
١.	٠,	Explain	WITCHICI	01 110	ι Ο,	13 111	CITIO	204	acrice

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 ...

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					

- (a) Complete the missing pattern and terms
- (b) What do you add on each time? _____ (this is the term to term rule)
- (c) Use part (b) to help fill in the multiplication table in the working out boxes
- (d) What is the general rule? _____
- (e) What is the 100th term? _____
- (f) Explain whether or not 87 is in this sequence:

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 ...