

nth term of Linear Sequences



REVISE THIS TOPIC

CHECK YOU'R **ANSWERS**



• "	
A linear sequence starts	
3 6 9 12	
Work out an expression for the n th term of the sequence.	[1 marks]
Answer	
A linear sequence starts	
6 8 10 12	
Work out an expression for the n th term of the sequence.	[2 marks]
Answer	
A linear sequence starts	
Work out an expression for the n th term of the sequence.	[2 marks]
Answer	
	Answer A linear sequence starts 6 8 10 12 Work out an expression for the <i>n</i> th term of the sequence. Answer Answer 2 5 8 11



4	A linear sequence starts	
	9 13 17 21	
	Work out an expression for the n th term of the sequence.	[2 marks]
	Answer	
5	A linear sequence starts	
	7 8 9 10	
	Work out an expression for the n th term of the sequence.	[2 marks]
	Answer	
6	A linear sequence starts	
	2 7 12 17	
	Work out an expression for the n th term of the sequence.	[2 marks]
	Answer	



7	A linear sequence starts	
	50 56 62 68	
	Work out an expression for the n th term of the sequence.	[2 marks]
	Answer	
8	A linear sequence starts	
	-3 7 17 27	
	Work out an expression for the n th term of the sequence.	[2 marks]
	Answer	
9	A linear sequence starts	
	4 4.5 5 5.5	
	Work out an expression for the n th term of the sequence.	[2 marks]

1st

Solutions

Turn over ▶

Answer

10	A linear sequence starts	
	9 7 5 3	
	Work out an expression for the n th term of the sequence.	[2 marks]
	Answer	
11	A linear sequence starts	
	15 11 7 3	
	Work out an expression for the n th term of the sequence.	[2 marks]
	Answer	
12	A linear sequence starts	
	9 4 –1 –6	
	Work out an expression for the n th term of the sequence.	[2 marks]
	Answer	





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13	A linear sequence starts	
	1 –8 –17 –26	
	Work out an expression for the n th term of the sequence.	[2 marks]
	Answer	
14	A linear sequence starts	
	100 89 78 67	
	Work out an expression for the n th term of the sequence.	[2 marks]
	Answer	
15	A linear sequence starts	
	6 5.8 5.6 5.4	
	Work out an expression for the n th term of the sequence.	[2 marks]



Solutions

Answer

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16	A linear sequence starts							
		6	11	16	21	26	•••	
	Work out the	e 20 th te	erm of th	ie sequ	ence.			[3 marks]
		А	nswer_					
17	A linear seq	luence s	starts					
		1	7	13	19	25		
	Work out the	e 50 th te	erm of th	ie sequ	ence.			[3 marks]
		Λ	nowor					
40	A 15							
18	A linear seq			40	4.4	40		
	Work out the	2 e 100 th t	6 erm of t			18		[3 marks]
		A	nswer _					



	4	7	10	13	16	
Is the num		the sec	quence?	•		
Tick one b						
Y	⁄es			No		
Show work	ting to su	upport y	our ans	wer.		[S
A linear se	quence	starts				
	3	7	11	15	19	
Is the number		in the se	equence	?		
Tick one b	ΟX	in the se	equence			
Tick one b		in the se	equence	e? No		
Tick one b	ox ′es			No		[3
Tick one b	ox ′es			No		[3
Tick one b	ox ′es			No		[3

1st

Solutions

15

21	A linear seque	ence sta	ırts					
		7	13	19	25	31		
	Is the number Tick one box	124 in 1	the seq	uence?				
	Yes	3			No			
	Show working	g to supp	oort you	r answ	er.			[3 marks]
22	A linear seque	ence sta	ırts					
		50	47	44	41	38		
	Is the number Tick one box	-10 in 1	the seq	uence?				
	Yes	;			No			
	Show working	g to supp	oort you	r answ	er.			[3 marks]

