

WANDOOR GANITHAM - S S L C UNIT TEST 2021

4.01AE

ARITHMETIC SEQUENCES –ANSWER KEY

Qn no.	Key	Score	
1	a) 4	1	
	b) $5+19 \times 4=81$	1	2
2	a) $\frac{31-19}{10-6} = \frac{12}{4} = 3$	1	
	b) $19-5 \times 3=19-15=4$ or $31-9 \times 3=31-27=4$	1	2
3	a) 5	1	
	b) 8	1	2
4	a) $\frac{15 \times 16}{2} = 120$	1	
	b) $2 \times 120 = 240$	1	3
	c) $240 + 15 \times 3 = 285$	1	
5	a) 8	1	
	b) $6+6 \times 8=54$	1	
	c) $13 \times 54 = 702$	1	
6	a) $\frac{119}{7} = 17$	1	4
	b) $\frac{275}{11} = 25$	1	
	c) $\frac{25-17}{6-4} = \frac{8}{2} = 4$	1	
	d) $4 \times n + 1$	1	

7	<p>a) 2</p> <p>b) 11</p> <p>c) 45</p> <p>d) $\frac{45}{2} \times (11+99) = \frac{45 \times 110}{2} = 2475$</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>4</p>
8	<p>a) 11 , 12 ,13 ,14 ,15 16 ,17 ,18 ,19 ,20 ,21</p> <p>b) 12</p> <p>c) $\frac{11 \times 12}{2} = 66$</p> <p>d) 67</p> <p>e) $\frac{12}{2} \times (67+78) = \frac{12 \times 145}{2} = 870$</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>5</p>