

WANDOOR GANITHAM - S S L C UNIT TEST 2021

E1.11A

STATISTICS – ANSWER KEY

Qn no.	Key	Score																	
1	$\frac{10+14+18+22+26+30+34+38+42+46}{10} = \frac{280}{10} = 28$	1	1																
2	<p>a) $\frac{36+42+30+38+46+32+44+34+40}{9} = \frac{342}{9} = 38$</p> <p>b) 30 , 32 , 34 , 36 , 38 , 40 , 42 , 44 , 46</p> <p style="text-align: center;">Median = 38</p>	1 1 1	3																
3	<p>a) $\frac{109+103+117+106+115+106+112}{7} = \frac{768}{7}$</p> <p>b) 100 , 103 , 106 , 106 , 109 , 112 , 115 , 117</p> <p style="text-align: center;">Median = 109</p>	1 1 1	3																
4	<table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="width: 50%;">Monthly income</th> <th style="width: 50%;">Number of households</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">Up to 4000</td><td style="text-align: center;">3</td></tr> <tr><td style="text-align: center;">Up to 5000</td><td style="text-align: center;">10</td></tr> <tr><td style="text-align: center;">Up to 6000</td><td style="text-align: center;">20</td></tr> <tr><td style="text-align: center;">Up to 7000</td><td style="text-align: center;">29</td></tr> <tr><td style="text-align: center;">Up to 8000</td><td style="text-align: center;">36</td></tr> <tr><td style="text-align: center;">Up to 9000</td><td style="text-align: center;">41</td></tr> <tr><td style="text-align: center;">Up to 10000</td><td style="text-align: center;">45</td></tr> </tbody> </table> <p>a) 6000</p> <p>b) 23</p> <p>c) 7000</p>	Monthly income	Number of households	Up to 4000	3	Up to 5000	10	Up to 6000	20	Up to 7000	29	Up to 8000	36	Up to 9000	41	Up to 10000	45	1 1 1	4
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5	Daily wages	Number of workers	1	4		
	Up to 900	5				
	Up to 950	12				
	Up to 1000	20				
	Up to 1250	30				
	Up to 1300	39				
	Up to 1400	45				
	Up to 1500	50				
	a) 1000				1	
	b) Half the sum of the daily wages of the 25 th and 26 th workers .				1	
ie , $\frac{x_{25} + x_{26}}{2}$			1			
c) $\frac{1250+1250}{2} = \frac{2500}{2} = 1250$						