# Math 3 Assignment-3



From:

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Class:

21

Absence:

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**Study Program:** 

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Question 1, Question 3, Question 4 Manual, Question 5

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11910	Dute
Question 1	Super los
-5-9 4	7 28 Score: 100
10 - 14 9	12 108
13 - 1/ 16	17 272 corrector : Balgis
20 - 24 12	22 269
25 - 29 6	27 162
	32 96
00 - 50 -	930
) mean = 930 (8,6)	
50 1010	- VIII
·) median	"
5 - 5	
10 -1	4 9 13 b=15-0,5=14,5
(5-1	9 16 29 P=5
20 -	24 12 91 F=13
25 -	
30 -	
h+P (14. 25)	June 1 1 1 1 1
btP (Vn - F)	·) modus L+c(1)
F ( ) in )	(+0)
0=14.5+5 (25-13)	L = 14.5
16/	C:2
= 19,5 + 5.12	(=16-9
16	0:16-12
= 14.5 + 3.75	
19 51	14.545 (16-9
= 18,25,/	(16-9)+(16-12)
	=19.5+5 ( 7 )
9	=19.5+5 (7)
	101 8 + 5 ( 2 ) 111 5 2 2 1 2
	[101318 ( + ) = 1913 TS118
estudee 30 lines (6mm spaced)	19,5+8 (7) = 14,5+3,18
W 2000 100 100 100 100 100 100 100 100 10	

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Question 3 manual
 ·) nean
  (75+70+60+54+60+80+60+80+95+70+55)/11
 = 759/11=691/
 ·) median
  54,55,60,60,60,70,70,75,80,80,85
 = 7011
·) modes
 =60//
Question 4
                         38/2=19
                                     Ltc
 5 -10
                        L=16,5
 11 -16
             6
                  10
17 - 22
                        C=6
             12
                  22
                       (=12-6
             8
23 - 28
                  30
             8
                       U-12-8
                  38
29 - 34
                      = 16,5+6 (
                      = 16,5+6
                      = 16,5+5,6=20,1
```

Question 5					
11 - 20	3 3	4012	=20	btp (m+F	)
21 - 30		b=40,	5	f	
21 - 40		P = 10			
	11 29	1			
51 - 60	8 37				
61 - 70	3 40	= 40,5+	10 (20	- (8)	
0-					
		=40,5+	(2		
/ .			112.00		
·) median		=40,st	1,81	= 42,31	4
1					
·) mean					
11 - 20	3	1515	461.		
21 - 36	S	25,5	1271	5	
31 - 40	10	3515	355		
41-50	11	45,5	500	.5	
51 - 60	8	22,2	UC	14	
61 - 70	3	65,5		6,5	
	40			570	
1670/40=41	175				

#### Question 2

## 1. Budget Planning:

- Mean: Calculating the mean income helps in setting a realistic budget by providing an average income figure. This ensures that expenses are planned in a way that the majority of expenses can be covered without relying on outliers.
- Median: When planning a budget, the median income is useful to understand the middle point of income distribution. This helps prevent skewed budget decisions that might result from extremely high or low incomes.
- Mode: Identifying the mode of expenses (most frequently occurring) allows you to prioritize necessary recurring expenses over infrequent or one-time costs, ensuring a more balanced budget.

#### 2. Grading Systems:

- Mean: Computing the mean of test scores in a class helps teachers assess overall class performance. It provides an average performance level and can guide adjustments in teaching methods or materials.
- Median: Using the median score helps in identifying the middle performance, which
  is less affected by extreme high or low scores. This gives a better representation of
  the typical student's performance.
- Mode: Recognizing the mode score helps identify the most common performance level, allowing teachers to focus on areas where many students may be struggling or excelling.

### 3. Inventory Management:

- Mean: Calculating the mean demand for a product over time helps businesses set inventory levels. This ensures that enough stock is on hand to meet typical demand while avoiding overstocking or shortages.
- Median: In cases of fluctuating demand, using the median demand can provide a more stable basis for inventory management. It prevents the impact of occasional spikes or dips in demand.
- Mode: Identifying the mode of demand (most frequently requested quantity) helps optimize inventory for the most popular products, reducing the risk of stockouts and maximizing sales.

# **Question 3**

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Question 3

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