

CLASS-10 CHAPTER-11 STATISTICS

Chapter Name: Sthithivivaranakku *Marks : (3)*

Quest:

The number of rubber sheets a farmer got in a week are given below

6, 10, 11, 7, 12, 8, 9,

- Find mean ?
- Find median ?

Hint:

Mean = 9 (1)
Median = 9 (1)

Chapter Name: Sthithivivaranakku *Marks : (2)*

Quest:

The daily wages of workers in a factory are given below .

500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500

- Find median of their daily wages ?
- While calculating the median a student wrongly write 15000 instead of 1500. Is there any change in her answer ? Justify ?

Hint:

Median = 1000 (1)
No change in median (1)
Because there is no change in the number of people and 1500 comes last .

Chapter Name: Sthithivivaranakku *Marks : (2)*

Quest:

The scores obtained by 10 students in mathematics examination are given below

15, 35, 20, 18, 40, 32, 28, 50, 45, 27

Find median score ?

Hint:

For arranging in ascending order
15, 18, 20, 27, 28, 32, 35, 40, 45, 50 (1)
Median = $\frac{28 + 32}{2}$ (1)
= 30 (1)

Chapter Name: Sthithivivaranakku *Marks : (2)*

Quest:

The weights of 9 children are given below

18, 31, 35, 28, 17, 19, 32, 24, 20

Find median weight ?

Hint:

Arranging in ascending order
17, 18, 19, 20, 24, 28, 31, 32, 35 (1)
Median = 24 kg (1)

Chapter Name: Sthithivivaranakku *Marks : (5)*

Quest:

The daily wage of 40 employees in an office are given below as a table.

Daily wage	No of families
1000 - 2000	4
2000 - 3000	9
3000 - 4000	11
4000 - 5000	8
5000 - 6000	6
6000 - 7000	2

Find the median of wage.

Hint:
 .For identifying median as the mean of daily wages of 20th and 21st employee (1)
 For finding the median (3)

Chapter Name:Sthithivivarakanakku *Marks :(5)*

Quest:
 The power consumption of some families in the month of August is given below as a table.

Power consumption (unit)	No of families
150 - 160	15
160 - 170	20
170 - 180	12
180 - 190	8
190 - 200	10
Total	65

(1) The power consumption of which family comes as median
 (2) Find the median

Hint:
 .(1) For preparing cumulative frequency table (2)
 33 rd family (1)
 (2) For finding median (2)

Chapter Name:Sthithivivarakanakku *Marks :(2)*

Quest:
 The scores of eight students in an examination is given below. Find the median of scores.
 42, 16, 31, 36, 19, 41, 23, 14

Hint:
 .(1) For writing in ascending or descending order (1)
 (2) For finding the median (1)

