

INTERNATIONAL INDIAN SCHOOL, RIYADH.
SAI WORKSHEET-2015-16

SUBJECT: Mathematics

STD: X

Statistics:

1. Compute the median

Less than 20	Less than 30	Less than 40	Less than 50	Less than 60	Less than 70	Less than 80	Less than 90	Less than 100
0	4	16	30	46	66	82	92	100

Ans: 62

2. The median is 28.5 & the sum of the frequencies is 170. Find the value of x & y

Variable:	0-10	10-20	20-30	30-40	40-50	50-60	60-70
Frequency:	10	20	x	40	y	25	15

Ans: 35 & 25

3. Find the mean, median & mode of the data:

Variable:	0-50	50-100	100-150	150-200	200-250	250-300	300-350
Frequency:	2	3	5	6	5	3	1

Ans: 170.83, 169, 175.

4. The mean of the data is 62.8 & sum of the frequencies is 50. Find f_1 & f_2 .

Class Interval:	0-20	20-40	40-60	60-80	80-100	100-120
Frequency:	5	F1	10	F2	7	8

Ans: 8 & 12.

5. Compute the median of the data:

Mid-value:	115	125	135	145	155	165	175	185	195
Frequencies:	6	25	48	72	116	60	38	22	3

Ans: 135.8

6. Compute the mode of the data:

Class Interval:	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequencies:	5	8	7	12	28	20	10	10

Ans: 46.67

7. Find the Mean of the data:

Marks	0 & above	10 & above	20 & above	30 & above	40 & above	50 & above	60 & above	70 & above	80 & above	90 & above
Frequencies:	80	77	72	65	55	43	28	16	10	8

Ans: 51.75.

8. Draw an ogive of less than type:

Class Interval:	0-4	5-9	10-14	15-19	20-24
Frequencies:	2	6	10	5	3

9. Draw an ogive of less than type & more than ogive:

Class Interval:	50-55	55-60	60-65	65-70	70-75	75-80
Frequencies:	2	8	12	24	38	16

10. Write the empirical relationship between Mean, mode & median.