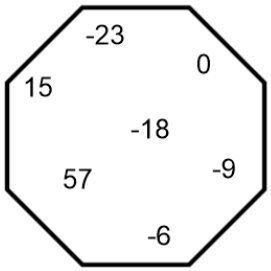
INDIAN SCHOOL AL WADI AL KABIR
Class VII, Mathematics
WORKSHEET- DATA HANDLING (2025-26)

Multiple Choice Questions

Q.1.	Range of the data 20, 14, 6, 25, 18, 13, 19, 10, 9 is							
	A	10	B	19	C	15	D	11
Q.2.	The following data shows marks (out of 10) of 10 students in a class test. Find the mean of the data: 7, 9, 10, 10, 3, 7, 8, 5, 7, 10							
	A	67	B	76	C	6.7	D	7.6
Q.3.	The median of the following numbers 28, 17, 22, 35, 20, 10, 13 is							
	A	20	B	28	C	35	D	13
Q.4.	The number of books arranged in different shelves in the school library are 33, 38, 48, 33, 34, 34, 33 and 24. Find the mode of this data.							
	A	24	B	34	C	33	D	48
Q.5.	Mean of the first five prime numbers is							
	A	5.6	B	6.5	C	56	D	65
Q.6.	If 7 is the mode of the given data: 5,4,7,4,7, x,7,4,3,5, find the value of x. **(CBQ)**							
	A	4	B	5	C	7	D	3
Q.7.	Which of the following has the same mean, median and mode?							
	A	6,2,5,4,3,4,1	B	4,2,2,1,3,2,3	C	2,3,7,3,8,3,2	D	4,3,4,3,4,6,4

Q.8.	Find the range and mean of the following integers marked on the board. 							
	A	75, 3.37	B	80, 2.28	C	62, 4.25	D	91, 5.1
Q.9	If the averages of the given data 6, 10, 12, x, 16 is 14, find the value of x.							
	A	24	B	25	C	26	D	27
Q.10	Out of 5 brands of chocolates in a shop, a boy has to purchase the brand which is most liked by children. If the data is provided to him, the measure of central tendency that would be most appropriate is							
	A	Mean	B	Median	C	Mode	D	Range
	LONG ANSWER QUESTIONS							
Q.11	The age in years of 13 teachers in a school are: 35, 37, 33, 38, 52, 43, 48, 45, 40, 46, 55. Find the range and median.							
Q.12	Marks obtained by 10 students in a class test is 13, 16, 14, 9, 18, 11, 7, 10, 12 and 20. Calculate the mean of the marks obtained.							
Q.13	In a public library, the following observations were recorded by the librarian in a particular week:							

Days	Mon	Tues	Wed	Thurs	Fri	Sat
Newspaper Readers	400	600	350	550	500	350
Magazine Readers	150	100	200	300	250	200

Draw a double bar graph to represent the above information choosing an appropriate scale.

<table>
<tr><td>Q.14</td><td>The runs scored by 13 members of a cricket team are given. What is the mean score?
15, 34, 56, 27, 43, 25, 11, 13, 50, 20, 11, 28, 31.</td></tr>
<tr><td>Q.15</td><td>Given below are heights of 9 boys of a class measured in cm: 128, 144, 146, 143, 136, 142, 138, 129, 154. Find:
(a) The height of the tallest boy.
(b) The height of the shortest boy.
(c) The median height of the boys.</td></tr>
<tr><td>Q.16</td><td>Represent the below information in a frequency distribution table and answer the following questions: 7, 4, 3, 5, 6, 3, 3, 2, 4, 3, 4, 3, 3, 4, 4, 3, 2, 2, 4, 3.
Find mode.</td></tr>
<tr><td>Q.17</td><td>The following are the weights (in kg) of 10 people.
70, 62, 52, 56, 62, 84, 75, 57, 62, 60.
a) Find the mean of the weights of the people.
b) How many people weigh above the mean weight?
c) Find the range of the given data.</td></tr>
<tr><td>Q.18</td><td>The following table shows the average intake of nutrients in calories by rural and urban groups in a particular year. Using a suitable scale for the given data, draw a double bar graph to compare the data.
<table>
<tr><th>FOOD STUFF</th><th>PULSES</th><th>FRUITS</th><th>MILK</th><th>FATS AND OILS</th><th>JAGGERY</th></tr>
<tr><td>RURAL</td><td>45</td><td>55</td><td>60</td><td>15</td><td>30</td></tr>
<tr><td>URBAN</td><td>35</td><td>75</td><td>100</td><td>50</td><td>50</td></tr>
</table></td></tr>
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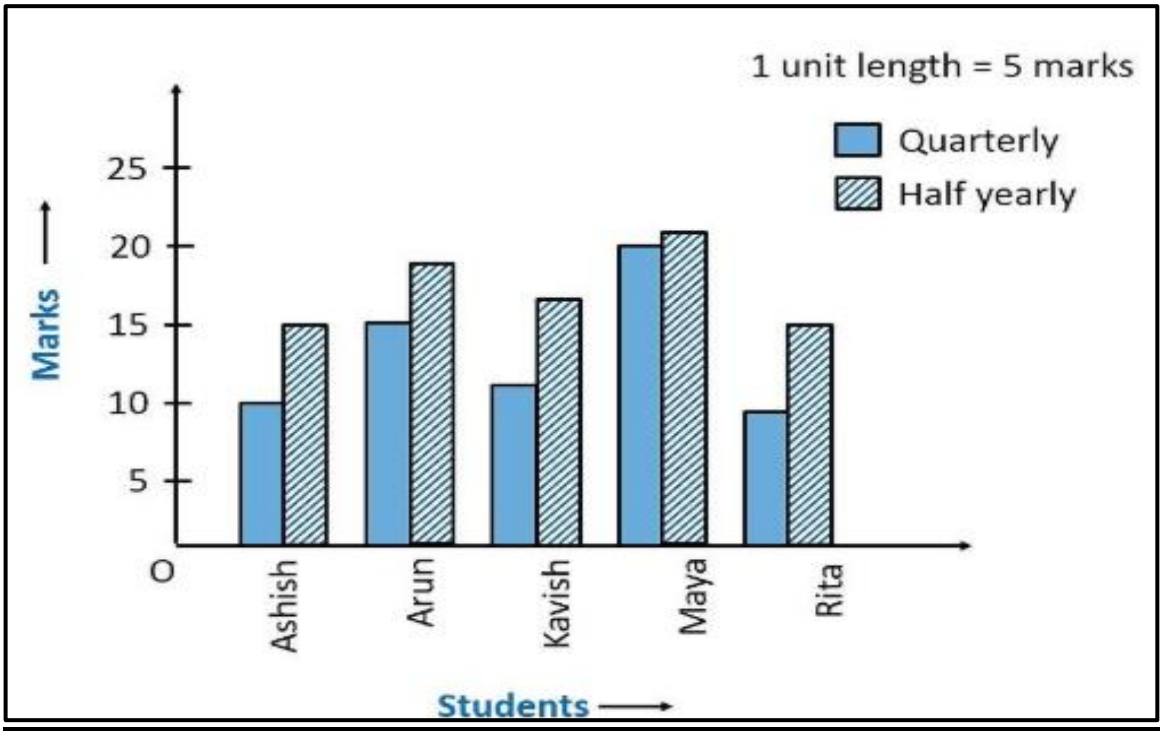
Q.19	The heights of 9 students were measured in cm and the results are as follows: 130, 155, 138, 129, 132, 151, 122, 158, 145 a) Calculate the mean of the above data? b) What is the range of the data? c) Find median. d) Check whether the mean and median are the same.
Q.20	**CASE STUDY-1:** A mathematics teacher wants to see, whether the new technique of teaching she applied after quarterly test was effective or not. She takes the scores of the 5 weakest children in the quarterly test out of 25) and in the half yearly test (out of 25)  a) Which student scored highest marks in half yearly examination? b) What was the average score of Ashish in Quarterly and half yearly examination? c) Name the students who had same score in half yearly examination. d) Who showed least improvement in Half yearly examination?