1: Find the mean of 5,10,15,20,25.

Add up all the numbers:

5 + 10 + 15 + 20 + 25 = 75

Count the total number of numbers in the set:

There are five numbers in the set.

Divide the sum of the numbers by the total number of numbers in the set:

75 ÷ 5 = 15

Therefore, the mean of the numbers 5, 10, 15, 20, and 25 is 15.

2: Find the mean of the given data set: 10,20,30,40,50,60,70,80,90.

Add up all the numbers:

10 + 20 + 30 + 40 + 50 + 60 + 70 + 80 + 90 = 450

Count the total number of numbers in the set:

There are nine numbers in the set.

Divide the sum of the numbers by the total number of numbers in the set:

450 ÷ 9 = 50

Therefore, the mean of the numbers 10, 20, 30, 40, 50, 60, 70, 80, and 90 is 50.

3: Find the mean of the first 10 even numbers.

Add up all the numbers:

2 + 4 + 6 + 8 + 10 + 12 + 14 + 16 + 18 + 20 = 110

Count the total number of numbers in the set:

There are ten numbers in the set.

Divide the sum of the numbers by the total number of numbers in the set:

110 ÷ 10 = 11

Therefore, the mean of the first 10 even numbers (2, 4, 6, 8, 10, 12, 14, 16, 18, 20) is 11.

4: Find the mean of the first 10 odd numbers.

Add up all the numbers:

1 + 3 + 5 + 7 + 9 + 11 + 13 + 15 + 17 + 19 = 100

Count the total number of numbers in the set:

There are ten numbers in the set.

Divide the sum of the numbers by the total number of numbers in the set:

10 = 10

Therefore, the mean of the first 10 odd numbers (1, 3, 5, 7, 9, 11, 13, 15, 17, 19) is 10.

5. Find the mode of the following marks (out of 10) obtained by 20 students:  
4, 6, 5, 9, 3, 2, 7, 7, 6, 5, 4, 9, 10, 10, 3, 4, 7, 6, 9, 9

The value 4 appears 3 times.

The value 6 appears 3 times.

The value 7 appears 3 times.

The value 9 appears 4 times.

The remaining values (2, 3, 5, and 10) each appear only once.

Since the value 9 appears most frequently (4 times), the mode of the given data set is 9.

6.Find the mode for the following data set.  
41, 39, 48, 52, 46, 62, 54, 40, 96, 52, 98, 40, 42, 52, 60

the mode of the given data set is 52

7. Find the mode of the given distribution.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Class Interval | 10 – 25 | 25 – 40 | 40 – 55 | 55 – 70 | 70 – 85 | 85 – 100 |
| Frequency | 12 | 9 | 17 | 16 | 20 | 16 |

the mode of the given distribution is 70-85

8. The marks in a subject for 12 students are as follows:

31, 37, 35, 38, 42, 23, 17, 18, 35, 25, 35, 29

For the given data, find the range.

In this case, the minimum value is 17 and the maximum value is 42.

Range = Maximum value - Minimum value

Range = 42 - 17

Range = 25

Therefore, the range for the given marks data set is 25.

9. Given below are heights of 15 students of a class measured in cm:

128, 144, 146, 143, 136, 142, 138, 129, 140, 152, 144, 140, 150, 142, 154

Find the range of the given data.

Range = Maximum value - Minimum value

Range = 154 - 128

Range = 26

Therefore, the range for the given heights data set is 26 cm.