

Name: ..... Class: .....

interpret charts and graphs to find mean, median, mode, and range

1. A car manufacturing company kept a record of the number of cars manufactured each month.

Cars manufactured	
Months	Number of cars
March	5
April	5
May	9
June	12
July	5

What is the mode of the numbers?

2. Lidya kept track of the number of marbles collected for the past 8 days.

Marbles collected	
Days	Number of Marbles
1	11
2	8
3	7
4	4
5	11
6	11
7	5
8	9

(a) What is the median of the numbers?

(b) What is the Mean?

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**What is the mode of the numbers?**

Form a set using the numbers from the table.  
 Arrange the numbers from least to greatest.  
 5, 5, 5, 9, 12,  
 Identify the number that appears the most.  
 5 appears 3 times.

So, the Mode is 5.

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8	9

**(a) What is the median of the numbers?**

Arrange the numbers from least to greatest.  
 4, 5, 7, 8, 9, 11, 11, 11  
 Since the total number of the numbers is even, find the average of the 2 middle numbers to get the median.  
 4, 5, 7, 8, 9, 11, 11, 11       $\longrightarrow$   $8 + 9 \div 2$   
 $17/2 = 8.5$

So, the Median is 8.5.

**(b) What is the Mean?**

Add the numbers.  
 $4+5+7+8+9+11+11+11$   
 $= 66$

Now, divide 66 by the total number of numbers in the set.  
 $66/8 = 8.25$

So, the mean is 8.25.