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Mean Median Mode Range Worksheet

1. The mean of **12** observations is r . Find the sum of all observation.

2. Find the range of the following set of data:

5,3,3,2,1,2,4,6,7,4,3,2,4,8,5

3. Find the mean of the following observations:

$a, 3a, 5a, 7a, 9a, 11a$

4. Find the mode of the following data points:

72,68,74,71,77,72,79,74,72,84,85,72,66,77

5. The range of a set of data is **52**. If the highest observation is 202, find the lowest observation.

6. The median of **20** observations is **18**. If the **16th** observation is **17**, find the **17th** observation.

7. The mean of a set of observations is q . If each observation is multiplied by **9** and then increased by q , find the new mean.

8. Find the mean of the following data.

Scores	65	68	69	64	70
Number of students	4	1	2	5	3

9. Seven players are to be selected for football championships. The mean height of the players needs to be **72** inches. Six players of heights **77, 74, 69, 71, 73**, and **72** are selected, what must be the height of the seventh player?



10. John is working on finding the mean of the following set of numbers:

23, 19.5, 22.5, 20, 25

Instead of **22.5**, he wrote **20.5** and got the mean incorrect. Find the difference between the correct and the incorrect mean.

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- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1) $12r$	6) 19
2) 7	7) $10q$
3) $6a$	8) 66.4
4) 19	9) 68 inches
5) 150	10) 0.4

FUN FACT

1. Mean, Median, Mode and Range are used for statistical comparisons of data
2. To calculate the mean of a given set of data, we must know the sum of all the observations and the number of observations
3. For any five data points a, b, c, d , and e , mean is given by:

$$\text{Mean, } \bar{x} = \frac{a+b+c+d+e}{5}$$

