

Name : .....

## Word Problems on Mean, Median and Mode

Solve each problem. Show your work.

- 1 Determine the mean, median and mode of the given numbers.  
8, 10, 12, 12, 10, 10, 12, 8, 12
  
- 2 What is the median of the following numbers?  
2, 6, 7, 8, 2
  
- 3 Five friends go shopping. Mike bought 12 kg of vegetables. Suzanne bought 10 kg, Sara bought 10 kg, Olivia bought 16 kg and Sam bought 17 kg. What is the mean of their vegetable weights?
  
- 4 The front row of a movie theatre has 23 seats. If you were asked to occupy the seat at the median position, which seat would you occupy?
  
- 5 What is the mode of the following two sets of numbers?  
a 67, 65, 72, 76, 80, 74, 74, 74      b 11, 4, 16, 16, 17, 12, 6, 7, 9

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## Word Problems on Mean, Median and Mode

### Answers

- 1 Determine the mean, median and mode of the given numbers.  
8, 10, 12, 12, 10, 10, 12, 8, 12

Ans: Mean = 10.44, Median = 10, Mode = 12

- 2 What is the median of the following numbers?  
2, 6, 7, 8, 2

Ans: 6

- 3 Five friends go shopping. Mike bought 12 kg of vegetables. Suzanne bought 10 kg, Sara bought 10 kg, Olivia bought 16 kg and Sam bought 17 kg. What is the mean of their vegetable weights?

Ans: 3

- 4 The front row of a movie theatre has 23 seats. If you were asked to occupy the seat at the median position, which seat would you occupy?

Ans: 12<sup>th</sup> seat

- 5 What is the mode of the following two sets of numbers?  
a) 67, 65, 72, 76, 80, 74, 74, 74      b) 11, 4, 16, 16, 17, 12, 6, 7, 9

Ans: a) 74  
b) 16