

Name: \_\_\_\_\_

Date \_\_\_\_\_

**Topic : Central Tendency - Mean, Mode, Median - Worksheet 1**

**Andy consumes 1.1, 3, 2.5, 2.1, 3.2, 2.5, 1.4, and 2.5 grams of bread respectively in a week. Find the following measures of central tendency based on Andy's data:**

- 1. Find the mean.**
- 2. Find the median.**
- 3. Find the mode.**
- 4. Prepare a frequency distribution with a class interval of 0.6 for the above data set.**

**B** is for **BAKER**



<b>Bread amount</b>	<b>Frequency</b>
<b>1.1-1.6</b>	
<b>1.7-2.1</b>	
<b>2.2-2.6</b>	
<b>2.7-3.1</b>	
<b>3.2-3.6</b>	

- 5. Find the modal interval.**
- 6. What would be the mean amount of bread Andy consumed, if he consumes 0.3 g more bread every day?**
- 7. What would be the mode if he consumes 0.2 g more bread every day?**
- 8. What value is the value of  $n$  if 8, 4 and  $n$  have the same mean as that of 4 and 10?**
- 9. On his first 5 math tests Mark received the following scores: 50, 62, 80, 75, and 70. What test score must Mark earn on his sixth test so that his average (mean score) for all six tests will be 60?**
- 10. For what value of  $n$  will 5, 9 and  $n$  have the same mean (average) as that of 16 and 24?**



Name: \_\_\_\_\_

Date \_\_\_\_\_

**Topic : Central Tendency - Mean, Mode, Median - Worksheet 2**

**Marcy consumes 1.1, 2.1, 2.3, 2.1, 1.8, 2.5, 1.5, and 2.4 grams of cake respectively in a week. Find the following measures of central tendency based on Marcy's data:**

- 1. Find the mean.**
- 2. Find the median.**
- 3. Find the mode.**
- 4. Prepare a frequency distribution with a class interval of 0.4 for the above data set.**

<b>Cake amount</b>	<b>Frequency</b>
<b>1.1-1.4</b>	
<b>1.5-1.7</b>	
<b>1.8-2.0</b>	
<b>2.1-2.3</b>	
<b>2.4-2.6</b>	

- 5. Find the modal interval.**
- 6. What would be the average if she consumes 0.4 g more cake every day?**
- 7. What would be the mode if she consumes 0.3 g more cake every day?**
- 8. For what value of  $n$  will 9, 3 and  $n$  have the same mean (average) as that of 6 and 4?**
- 9. On his first 4 science tests, Rick received the following scores: 35, 55, 70 and 75. What test score must Rick earn on his fifth test so that his average (mean score) for all five tests will be 50?**
- 10. For what value of  $n$  will 6, 8 and  $n$  have the same mean (average) as that of 12 and 8?**



Name: \_\_\_\_\_

Date \_\_\_\_\_

**Topic : Central Tendency - Mean, Mode, Median - Worksheet 3**

**Joshua consumes 2, 3, 5, 4, 8, 3, 3, and 6 grams of rice in a week. Find the following measures of central tendency based on Joshua's data:**

- 1. Find the mean.**
- 2. Find the median.**
- 3. Find the mode.**
- 4. Prepare a frequency distribution with a class interval of 3 for the above data set.**

<b>Rice amount</b>	<b>Frequency</b>
<b>2-4</b>	
<b>4.1-6</b>	
<b>6.1-8</b>	
<b>8.1-10</b>	
<b>10.1-12</b>	

- 5. Find the modal interval.**
- 6. What would be the average if he consumes 0.5 g more Rice every day?**
- 7. What would be the mode if he consumes 0.4 g more Rice every day?**
- 8. For what value of  $y$  will 5, 7 and  $y$  have the same mean (average) as that of 9 and 7?**
- 9. On her first 5 biology tests, Jenny received the following scores: 50, 60, 75, 80, and 55. What test score must Jenny earn on her sixth test so that her average (mean score) for all six tests will be a 60?**
- 10. For what value of  $m$  will 4, 8 and  $m$  have the same mean (average) as that of 10 and 18?**



Name: \_\_\_\_\_

Date \_\_\_\_\_

**Topic : Central Tendency - Mean, Mode, Median - Worksheet 4**

**Ricky consumes 4, 2, 6, 4, 5, 4, 7, and 8 grams of tea in a week. Find the following measures of central tendency based on Ricky's data:**

- 1. Find the mean.**
- 2. Find the median.**
- 3. Find the mode.**
- 4. Prepare a frequency distribution with a class interval of 3 for the above data set.**

<b>Tea amount</b>	<b>Frequency</b>
<b>2-4</b>	
<b>4.1-6</b>	
<b>6.1-8</b>	
<b>8.1-10</b>	
<b>10.1-12</b>	

- 5. Find the modal interval.**
- 6. What would be the average if he consumes 0.2 g more Tea every day?**
- 7. What would be the mode if he consumes 0.1 g more Tea every day?**
- 8. For what value of  $x$  will 8, 6 and  $x$  have the same mean (average) as that of 8 and 12?**
- 9. On his first 5 history tests, Tom received the following scores: 30, 45, 85, 60 and 70. What test score must Tom earn on his sixth test so that his average (mean score) for all sixth tests will be 40?**
- 10. For what value of  $m$  will 6, 4 and  $m$  have the same mean (average) as that of 14 and 16?**



Name: \_\_\_\_\_

Date \_\_\_\_\_

**Topic : Central Tendency - Mean, Mode, Median - Worksheet 5**

**Mark consumes 3, 8, 4, 6, 7, 9, 5, and 6 grams of pizza in a week. Find the following measures of central tendency based on Mark's data:**

- 1. Find the mean.**
- 2. Find the median.**
- 3. Find the mode.**
- 4. Prepare a frequency distribution with a class interval of 3 for the above data set.**

<b>Pizza amount</b>	<b>Frequency</b>
<b>1-3</b>	
<b>3.1-6</b>	
<b>6.1-9</b>	
<b>9.1-12</b>	
<b>12.1-15</b>	

- 5. Find the modal interval.**
- 6. What would be the average if he consumes 0.5 g more pizza every day?**
- 7. What would be the mode if he consumes 1 gram more Pizza every day?**
- 8. For what value of  $n$  will 2, 8 and  $n$  have the same mean (average) as that of 12 and 18?**
- 9. On his first 4 English tests, Paul received the following scores: 55, 60, 35 and 90. What test score must Paul earn on his fifth test so that his average (mean score) for all five tests will be 50?**
- 10. For what value of  $y$  will 8, 6 and  $y$  have the same mean (average) as that of 20 and 10?**

