

Name:

Date:

Statistics Test (20 questions, 3 pages)

Part I - Directions: Write yes if the sentence is a statistical question and no if it is not a statistical question.

1. How many friends should sixth graders have? \_\_\_\_\_
2. How often do sixth graders go on dates? \_\_\_\_\_
3. This is a statistical question. \_\_\_\_\_
4. Two people were sharing spoons. \_\_\_\_\_
5. What was most interesting about your spring break? \_\_\_\_\_
6. Who has the coolest backpack? \_\_\_\_\_
7. What time did we leave for school? \_\_\_\_\_
8. Will your answer to this question be, "no"? \_\_\_\_\_
9. How well did everyone do on this test? \_\_\_\_\_
10. What time is it? \_\_\_\_\_

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Part II – Directions: Write the correct answer.

Question 11: All basketball players competing in a tournament had their weights measured and the results are displayed in the table below. How many players took part in the tournament?

Weight	Less than 160lb	160lb to 180lb	180lb to 200lb	200lb to 240lb
Number of players	5	12	14	20

\_\_\_\_\_

Questions 12: The height of five buildings is given in the table below. What is the mean height of the five buildings? Round your answer to the nearest **whole number**.

Building	Height(m)
1	38
2	32
3	35
4	15
5	20

Question 13: The median of the heights of the five buildings in the same table above is \_\_\_\_\_ meters.

Question 14: The mode of the set of numbers {3, 12, 11, 4, 5, 1, 8, 17, 25, 2, 0} is \_\_\_\_\_.

Question 15: The range of the set of numbers {55, 57, 61, 62, 75, 64, 64, 65, 68, 69} is \_\_\_\_\_.

Question 16: Determine which six whole numbers possess the following properties...

- Mode of 6
- Range of 6
- Median of 6
- Minimum of 1
- Sum of 27

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Use the following information for questions 7-10. The weights of seven people are measured and recorded in the table below:

n	#
1	82 kg
2	78 kg
3	76 kg
4	78 kg
5	80 kg
6	80 kg

Question 17: The median is \_\_\_\_\_ (bigger than/smaller than/equal to) the mean.

Question 18: The sum is \_\_\_\_\_ times bigger than the range.

Question 19: If a 7<sup>th</sup> person was added bringing the total to 550, how much did they weigh?

Question 20: If adding a 7<sup>th</sup> person brought the average to 80, how much did they weigh?