**Statistical Question Analysis** Name:

What was your question?

How many people did you ask? This is your **SAMPLE SIZE.**

How many kids are in the 6th grade? This is your **POPULATION SIZE**.

What was the **mean** (average) of your data? Please show how you solved this below.

Please use this statistic in a sentence. (example: 6th graders on average play 3.5 hours of video games per evening. The mean number of sports 6th graders play is 2.4 per student).

What is the **mode** of your data? Remember this was the answer that appeared the most in your survey.

Please use this in a sentence. (example: The most common shoe size among 6th graders is 6.5)

What is the **range** of your data? This is the largest data point in your sample minus the smallest data point.

Please usethe **range** in a sentence. (example: There were 4 sizes between the 6th grader with the biggest feet and the smallest).

What is the **median** of your data? Arrange all of your data from least to greatest. This is the number in the middle. If you have two numbers in the middle you must find the average of the two.

Please use the **median** in a sentence. (example: Although the smallest show size is 4 and the biggest is 9, the median shoe size is 7.5. This shows me that more kids in the 6th grade have a larger shoe size.)

Describe the **overall shape** of your data. Are there any **clusters** or **gaps**? If so, what/where are they? Explain what that means to you. (example: There is a cluster of data around 2-5 hours, which shows that most 6th graders play between 2-5 hours of video games a day. There is a gap between 5-10 hours, which shows that most 6th graders do not play more than 5 hours a day.)

Are there any **outliers** in your data? if so what are they? Please explain what makes them seem like outliers to you. (example: Two kids answered that they play 10 hours of video games on a Saturday, this is an outlier because is far from the average of 3 hours)