

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

Classroom Teacher: \_\_\_\_\_

Approved By: \_\_\_\_\_

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

Classroom Teacher: \_\_\_\_\_



## Written Explanation

A written explanation gives a brief analysis of the data you collected in your table and displayed visually in your table. It should be about one paragraph and summarize the data shown in the table and graph. It can include trends you noticed in the data, if any, but it should not be a conclusion.

### Model Question: Does weight affect the speed of a pendulum?

#### Model Written Results Explanation Example:

- The mean (average) time for 10 swings was approximately the same for all the weights. The longest time was with 2 weights at 28 seconds and the shortest time was with 5 weights at 24 seconds. However, since these times are close to each other and so are the other times, I would say the trend is that nothing really changes. When I look at the median data, the results are about the same – there is no real difference.

*(This data was made-up just to demonstrate how to write an explanation.)*

There is an attempt to discuss a trend to the data even though a trend isn't completely clear.

This explanation summarizes the data by only mentioning the shortest and longest piece of data.

#### Bad Written Results Explanation Example:

- My mean data was 1 weight at 26 seconds, 2 weights at 28 seconds, 3 weights at 27 seconds, 4 weights at 25 seconds and 5 weights at 24 seconds. I can't tell if there is a trend to this data.

This explanation just states in words exactly what the table says. It doesn't summarize the most important data nor is there any brief discussion of a possible trend. Stating that you "can't tell if there is a trend" is not an analysis.

Here is the written explanation of my results.

Approved By: \_\_\_\_\_

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