

# HOMEWORK

September 21 – September 25

**Monday:** *Identify possible variable in the following situations.*

1. What variables might affect the weight of a person?

- Variable 1 \_\_\_\_\_
- Variable 2 \_\_\_\_\_
- Variable 3 \_\_\_\_\_
- Variable 4 \_\_\_\_\_

2. What variables might affect the speed a person can run the mile in?

- Variable 1 \_\_\_\_\_
- Variable 2 \_\_\_\_\_
- Variable 3 \_\_\_\_\_
- Variable 4 \_\_\_\_\_

**Tuesday:** *For the experiment below, specify the manipulated, responding, and controlled variables.*

1. A study was attempted to find if the length of the string in a string telephone affected its sound clarity.

Manipulated Variable \_\_\_\_\_

Responding Variable \_\_\_\_\_

Controlled Variable \_\_\_\_\_

Controlled Variable \_\_\_\_\_

Controlled Variable \_\_\_\_\_

Controlled Variable \_\_\_\_\_

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Wednesday: *Try writing your own variables and hypotheses. Remember to use IF...THEN... BECAUSE*

1. Manipulated Variable \_\_\_\_\_

Responding Variable \_\_\_\_\_

Hypothesis \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. Manipulated Variable \_\_\_\_\_

Responding Variable \_\_\_\_\_

Hypothesis \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Thursday: *For the given situation, create a **DATA TABLE & GRAPH**, which would be scientifically appropriate. Remember to include all headings or titles.*

The number of bears was counted in a park over time

1930 – 45 bears, 1940 – 41 bears, 1950 – 35 bears, 1960 – 30 bears,  
1970 – 26 bears, 1980 – 19 bears.