**Math 8 – Looking for Linear**

Have you ever wondered if certain things are related? For example:

* Does the length of somebodies shoe relate to a person’s height?
* Does the diameter of a circle relate to the circumference?
* Does the height you drop a ball from, relate to how high the bounce is?
* Does the height of a car relate to the diameter of the tires?
* Does finger nail length relate to finger length?

**Objective**: To determine the relationship between one of the examples listed above or one of your own!

Which one do you choose? Write it here:

Go collect your data. Record it in the chart here. You should have at least 5 samples.

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Graph your data. Before connecting the dots - ask the teacher about a line of best fit!



Is the relationship linear? Why or why not?

Can you make a rule or an expression relating the two variables together?