

Pathways Reading Guide 2.1

Please read Module 2, section 1 in your e-book, pp. 1 – 11. (Click on Module 2, then “text.”) Be sure to watch the videos on p. 6 and p. 11.

Be sure to *read with a pencil in hand* and attempt the examples before you read the solution given. Take notes of important definitions and ideas as you read. I don't expect you to have 100% comprehension of everything in the section, but spending significant time trying to understand the main ideas will assist you as you work on the Investigation in class the next day.

Key Ideas:

1. An attribute of an object is a property of the object and is distinct from the object itself. E.g. the color of a car is a property of the car and not the same thing as the car.
2. A quantity is a *measurable* attribute of an object.
3. The definition of a variable must refer to:
 - a. an object
 - b. a quantity
 - c. units in which the quantity is measured
4. Some quantities are constant and some are varying.
5. Key skill: write equations to relate varying quantities

Be able to:

- Write the definition of a quantity
- Explain the three important questions to ask about a quantity
- Explain the difference between a constant quantity and a variable quantity and be able to give an example of each
- Answer: *What does a variable represent?*
- Represent change in quantities on a number line and on a graph.