Unit 4- Comparing & Scaling
Investigation 2: Comparing and Scaling Rates
STUDY GUIDE

Things we need to know:
- Know what a **ratio** is
  - A number, often expressed as a fraction, used to make comparisons between two quantities. They may also be expressed as equivalent decimals or percents, or given in the form $a : b$
- How to solve ratios with given information
- Know what a **part-to-part ratio** is
  - A relationship between one part of a whole and another part of the whole
- Know what a **part-to-whole ratio** is
  - A relationship between one part of a whole and the whole
- How to correctly write ratios
- Know what a **proportion** is
  - An equation stating that two ratios are equal
- How to correctly write proportions
- How to find a missing value in a proportion
- Know the definition of a **rate**
- Know the definition of a **unit rate**
- Know what a **rate table** is and how to find the rate and/or unit rate from it
- Know what the **constant of proportionality** is
  - Know how to locate it in the following:
    - *Table*
    - *Graph*
    - *Equation*