



6. On the average velocity line, the bottom line in the table of the previous page, record the average velocity for each similar group of velocities in the table above the line.
7. What is the approximate difference between the average velocities for each successive group?
8. Remembering that the magnitude of the charge on the sphere is proportional to the velocity of the sphere:
  - (a) *Could charge come in any possible value no matter how small with no lower limit to the size of a charge on an object?*
  - (b) Or is it possible that charge comes in groups of small indivisible units of charge (called elementary charge units), so that all charges on all objects are combinations of whole numbers of these indivisible elementary charge units?

Justify your answers to (a) and (b) on the data collected from the film on Millikan's experiment.