

# UNIT 1 - Measuring the Measuring Tool Activity

- Materials:** 1 - paper clip  
 1 - tongue depressor  
 1 - new unsharpened pencil  
 1 - ball point pen

## PART 1:

1. Collect one of each of the measuring devices listed above.
2. Measure the length of each of the following with each of the measuring devices provided.
  - a. Measure the distance between the front two legs of your desk with each of the measuring devices provided. Enter the results in the data table provided. Use labels appropriate for each measurement.
  - b. Measure the longest part of your desktop with each of the measuring devices provided. Enter the results in the data table provided. Use labels appropriate for each measurement.
  - c. Measure the length of a paper clip with each of the measuring devices provided. Enter the results in the data table provided. Use labels appropriate for each measurement.
  - d. Measure the length of a tongue depressor with each of the measuring devices provided. Enter the results in the data table provided. Use labels appropriate for each measurement.
  - e. Measure the length of an unsharpened pencil with each of the measuring devices provided. Enter the results in the data table provided. Use labels appropriate for each measurement.
  - c. Measure the length of an ink pen with each of the measuring devices provided. Enter the results in the data table provided. Use labels appropriate for each measurement.

	Legs	Desk	Paper Clip	Tongue Dep.	Pencil	Pen
Paper clip						
Tongue Depressor						
Pencil						
Ink pen						

## QUESTIONS:

1. What information is important when communicating these measurements with students in another classroom.

---

2. How did you deal with measurements that did not come out to a whole number?

---

---

3. What basis did you use to determine this?

---

---

4. Is it possible to communicate your measurements with other students in other groups? What would you have to include for them to understand your measurement? Would it be possible to communicate your measurements with someone who does not speak English? Explain.

---

---

---

5. Suppose the door were exactly 15 ink pens tall. How could you tell how tall the door was in paper clips without actually measuring?

---

---

6. How tall is the door in paper clips without actually measuring? **Show any calculations involved.**

---

7. How tall is the door in tongue depressors without actually measuring? **Show any calculations involved.**

---

8. Measure your height in tongue depressors. \_\_\_\_\_

9. What is your height in paper clips? \_\_\_\_\_ **Show any calculations involved.**

10. What is your height in pencils. \_\_\_\_\_ **Show any calculations involved.**