

Measuring with Precision

This lab will be really similar to the previous lab we did. You should be able to complete this lab faster than the first lab.

Part 1

1. Get ONE of each of the following:
 - 1) Set of paper rulers
 - 2) Paper clip
 - 3) Tongue depressor
 - 4) Unsharpened pencil
 - 5) Pen
2. Complete the table below like in the previous lab. Put your picture in the column on the right and the number on the line.

<u>Measurement</u>	<u>Picture</u>
How long is one paper clip using the blank ruler? _____	
How long is one paper clip using the ruler marked with centimeters? _____	
How long is one paper clip using the ruler marked in millimeters? _____	

How long is one tongue depressor using the ruler marked in centimeters?

How long is one unsharpened pencil using the ruler marked in millimeters?

How long is one pen using the unmarked ruler?

How long is the space between the front legs of your desk using the unmarked ruler?

3. Are you sure that your answers are correct? How?

4. Is it possible to compare measurements with other students? What do you need to include for them to understand your numbers?

5. Would it be possible to communicate your measurements with someone who does not speak English? Explain.

6. Which of the rulers used would have been better for measuring the length of the room? Why?

7. Which of the rulers is best to measure how long a paper clip is? Why?

8. What measuring device would be the best for measuring the distance between cities? Explain.

9. Which of the rulers would you use to measure your height in the most accurate way possible?