

Linear Measurement Lab

MATERIALS you will need:

1. Google answer form
2. A penny
3. A nickel
4. A dime
5. A quarter
6. Any dollar bill
7. A metric ruler*

*If you do not have a metric ruler, you will use: <https://www.freeonlineruler.com/>

To **calibrate the online ruler** to fit your screen:

1. CLICK "Please calibrate your ruler."
2. UNCLICK the box for inches
3. CLICK "US Dollar"
4. PLACE the dollar in the green box on the screen, line up the left side of the bill and zero.
5. DRAG the green line on the right side to the right end of the dollar.
6. Between the ruler and the directions, CLICK "Click when you're done calibrating."

Metric Measurement

Each little line on a metric ruler is one millimeter.

$$10 \text{ mm} = 1 \text{ cm}$$

Each number on a metric ruler is one centimeter.

$$100 \text{ cm} = 1 \text{ m}$$

To learn MORE about how to use a ruler, SEE:

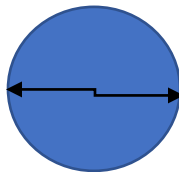
<https://www.quora.com/What-are-the-main-functions-of-the-metric-ruler>

Don't forget the units!

Without units, the answer is WRONG!

Measuring MONEY:

Coins WIDTH



Bills LENGTH

WIDTH is narrow



DIRECTIONS:

1. Measure the width of the **penny** – enter the measurement as mm **or** cm in the answer form.
2. Measure the width of the **nickel** – enter the measurement as mm **or** cm in the answer form.
3. Measure the width of the **dime** – enter the measurement as mm **or** cm in the answer form.
4. Measure the width of the **quarter** – enter the measurement as mm **or** cm in the answer form.
5. Measure the LENGTH of the **dollar bill** – enter the measurement as **centimeters** in the answer form.
6. Measure the width of the **dollar bill** – enter the measurement as **centimeters** in the answer form.

Don't forget the units!

Without units, the answer is WRONG!