Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Metric Lab**

***Part 1: Length Lab***

1. What does each unit represent?
	1. mm = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (c) m = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. cm = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (d) km = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. How much does each one equal?
	1. 1 m = \_\_\_\_\_\_\_ cm (b) 1 cm = \_\_\_\_\_\_\_ mm (c) 1 km = \_\_\_\_\_\_\_ m
3. Which measurement is the largest? Circle your answer for each pair.
	1. 14 mm or 1 cm (d) 145 m or 145 km
	2. 334 m or 1 km (e) 3.4 cm or 30 mm
	3. 1 m or 990 cm (f) 10 km or 1000 cm
4. Use a metric ruler or meter stick to find each measurement.
5. 
	1. Length of the line in centimeters \_\_\_\_\_\_
	2. Length of the line to the nearest centimeter \_\_\_\_\_\_\_
	3. Height of the rectangle to the nearest millimeter \_\_\_\_\_\_\_
	4. Width of the rectangle to the nearest millimeter \_\_\_\_\_\_\_
6. My hand span is \_\_\_\_\_\_\_\_\_\_\_\_ centimeters \_\_\_\_\_\_\_\_\_\_\_\_\_\_ meter.

*Measure outstretched hand between tip of thumb & tip of little finger.*

1. Find the length of an unsharpened pencil (including eraser) in millimeters. \_\_\_\_\_\_\_\_
2. What is your height in centimeters? \_\_\_\_\_\_\_\_ What is your height in meters? \_\_\_\_\_\_\_
3. Find the distance between the two index cards in the hallway in meters. \_\_\_\_\_\_\_\_
4. Use your shoe and a metric ruler to complete this section. Keep your shoes on for this one!
	1. What is the length of your shoe to the nearest centimeter? \_\_\_\_\_\_\_\_
	2. How many shoes would it take (heel to toe) to make 1 meter? \_\_\_\_\_\_\_
	3. How many shoes would it take to make 1 kilometer? \_\_\_\_\_\_\_\_
5. Use ten pennies and a metric ruler to complete this section.
	1. How tall is a penny in millimeters? \_\_\_\_\_\_\_\_ centimeters? \_\_\_\_\_\_\_
	2. How tall would a stack of 100 pennies be in centimeters? \_\_\_\_\_\_\_\_
	3. How tall would a stack of 1000 pennies be in centimeters? \_\_\_\_\_\_\_
6. Circle the BEST metric unit for each.
	1. The length of an eyelash mm cm m km
	2. The height of a flagpole mm cm m km
	3. The length of a strand of spaghetti mm cm m km
	4. The distance from Casa Grande to Phoenix. mm cm m km

***Part 2: Mass Lab***

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***Part 3: Volume Lab***

Practice Reading Volume



Count the Drops