



Name \_\_\_\_\_

**A millimeter is about the size of**

*The thickness of a dime*

*The thickness of a paper clip*

*The thickness of a credit card*

Use a metric ruler to measure a stack of 10 dimes. How tall is it? \_\_\_\_\_

If you have 100 stacks of 10 dimes, how many dimes would you have? \_\_\_\_\_

If you could stack them all in one stack, how tall would this be? \_\_\_\_\_

*If you stacked 1000 dimes, that would be about a meter, because 1000 millimeters make one meter. Milli means "thousand"*

**A centimeter is about the size of**

*The width of a small fingernail*

*The width of a black key on a piano*

How many cents in a dollar? \_\_\_\_\_

How many years in a century? \_\_\_\_\_

*Centi means "hundred".*

How many centimeters make one meter? \_\_\_\_\_

How many millimeters in a centimeter? \_\_\_\_\_

Directions:

Use a ruler or meter stick to measure the objects listed in whatever units are listed. Try to be as exact as you can.

MEASURE	Length (centimeters)
Pencil	
Widest part of your shoe	
Width of your desk	

		Length (millimeters)	Length (centimeters)	Length (meters)
Length of a Paper Clip	Predict Length			
	Measure			
Length of Classroom	Predict Length			
	Measure			
Your Height	Predict Length			
	Measure			

Which unit makes more sense to measure a paper clip? \_\_\_\_\_

Which unit makes more sense to measure the length of your classroom? \_\_\_\_\_

Which unit makes more sense to measure your height? \_\_\_\_\_

How long is a meter in cm? \_\_\_\_\_ How long is a centimeter in meters? \_\_\_\_\_

Use these new facts you discovered to answer these questions.

a.) If Yer is 1.5 meters tall, how many cm tall is she? \_\_\_\_\_

b.) If Kris's foot is 21 cm long, how many millimeters long is it? \_\_\_\_\_

c.) If Maria's arm is 45 cm inches long, how many meters long is it? \_\_\_\_\_

d.) If Franci's car is 3 meters long, how many cm long is it? \_\_\_\_\_