Name _____   Date _____

METRIC INVESTIGATIONS

LENGTH

The base unit for length is the _____
Measure the length of one science table. _____ cm = _____ m
Measure the length of the room from the front door to the back door. _____ m = _____ cm
Measure the length of one large paperclip. _____ mm = _____ cm
Find something with a length of approximately 20 centimeters. _____
Find something with a length of approximately 3 meters. _____
Find something with a length of approximately 5 millimeters. _____

1 cm = _____ mm	1 m = _____ cm	1 km = _____ m
29 cm = _____ mm	4.3 m = _____ cm	94 mm = _____ cm
4957 mm = _____ m	268 km = _____ m	684 cm = _____ mm

The distance from Tulsa to Bixby –   cm, m, mm, km   The thickness of a quarter –   cm, m, mm, km
The length of a pen –   cm, m, mm, km   The distance from the library to the cafeteria –   cm, m, mm, km

MASS

Mass is _____
The base unit for mass is the _____
Measure the mass of one marker. _____ g = _____ mg
Measure the mass of the tuning fork. _____ g = _____ mg
Measure the mass of one wood block. _____ g = _____ kg
Find something with a mass of approximately 50 grams. _____
Find something with a mass of approximately 1 kilogram. _____
Find something with a mass of approximately 500 grams. _____

1 g = _____ mg	1 kg = _____ g	500 g = _____ kg
8683 g = _____ kg	4.3 kg = _____ g	94 g = _____ mg
0.92 kg = _____ g	0.5 g = _____ mg	594.9 mg = _____ g

A nickel –   g, mg, kg   A rabbit –   g, mg, kg   A computer –   g, mg, kg
A paperback book –   g, mg, kg   An eraser –   g, mg, kg   A postage stamp –   g, mg, kg

VOLUME

Volume is _____
The base unit for volume is the _____
Measure the volume of the plastic cup. _____ mL = _____ L
Measure the volume of the labeled container. _____ mL = _____ L
Measure the pipette. _____ mL
Find a container with a volume of approximately 50 milliliters. _____
Find a container with a volume of approximately 1 liter. _____
Find a container with a volume of approximately 500 milliliters. _____

1 L = _____ mL	100 mL = _____ L	1000 mL = _____ L
6.2 L = _____ mL	85.3 L = _____ mL	9489 mL = _____ L
557 mL = _____ L	28 L = _____ mL	0.4 L = _____ mL

A bathtub –   L or mL   A swimming pool –   L or mL   A glass of water –   L or mL
An eyedropper –   L or mL   A bucket –   L or mL   A gallon of milk –   L or mL