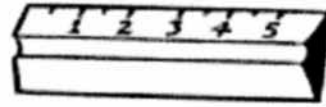**Metric Measuring Lab**

Name_____

Directions: Measure each of the following items that are located within the science room. Make sure you use the correct units. Fill in the blanks provided.

1. Your science notebook cover:

    Length: _____cm   Length: _____mm
    (top to bottom)   (top to bottom)

2. Lab table height from the floor:

    Height: _____cm   Height: _____ mm

3. Width of your thumb

    Width: _____ cm   Width: _____ mm

4. Your shoe:

    Length: _____cm   Width: _____cm

5. The length of a large paperclip:

    Length: _____ cm   Length: _____ mm

6. Width of the span of your hand
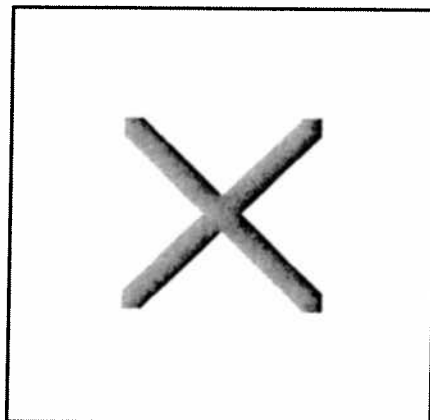
    Width: _____ cm

    Width: _____ mm

7. How thick is your science book?

    Thickness: _____ cm

    Thickness: _____ mm

Metric Mania

Name_____

English or Metric?

Use the chart and a calculator to convert each measurement. Be sure to show your work. Round answers to the nearest hundredth if needed.

To go from		To	Multiply by
ml	->	fl oz	0.0338
fl oz	->	ml	29.575
l	->	gal	0.2642
gal	->	l	3.785

To go from		To	Multiply by
cm	->	in	0.3937
in	->	cm	2.54
m	->	ft	3.2808
ft	->	m	0.3048
km	->	mi	0.6214
mi	->	km	1.609

To go from		To	Multiply by
g	->	oz	0.0353
oz	->	g	28.35
kg	->	lbs	2.2046
lbs	->	kg	0.4536

1) 16 in = _____ cm

2) 345 lbs = _____ kg

3) 56 g = _____ oz

4) 450 km = _____ mi

5) 1200 ml = _____ fl oz

6) 40 m = _____ ft

7) 4 gal = _____ l

8) 12 fl oz = _____ ml

9) 50 kg = _____ lbs

10) Penny has a pencil that is 19 cm long. How long the pencil in inches?

11) Macho Mel can lift 200 kilograms with ease. How much is this in pounds?

12) The distance between Happyville and Giggleland is 60 miles. How far is this in kilometers?

13) A can of Cheap-O soda holds 355 ml of soda. How many milliliters would be in 2 cans of soda?

14) A cookie recipe calls for 1 pound of butter. How many grams of butter would be needed for 3 batches?