

Making Metric Measurements**Part 1 Measuring Length**

1. Using a meter stick, measure the Height, Length and Width of your lab table. Be precise with your measurements.
2. Convert your numbers to cm and mm.

Height = _____ m = _____ cm = _____ mm

Length = _____ m = _____ cm = _____ mm

Width = _____ m = _____ cm = _____ mm

3. Now use your meter stick to measure the height and length of the door.
4. Again convert your numbers to cm and mm.

Height = _____ m = _____ cm = _____ mm

Length = _____ m = _____ cm = _____ mm

Part 2 Measuring Mass

1. Use the triple beam balance to find the mass of the five objects on the table. Again, be precise with your measurements.

Object	Mass

Name: _____

Part 3 Finding the Volume of Irregular Solids

1. Use the graduate cylinder to find the volume of the five irregular solids on your table.

Object	Volume

Part 4 Finding Density

1. Find the volume of your object.
2. Find the mass of the cube using the triple beam balance.
3. Find the Density.

Object	Volume	Mass	Density

Part 5 Finding the Volume of Regular Solids

1. Use a ruler to measure the length, width, and height.

Object	Length	Width	Height	Volume

Part 6 Measuring Temperature

1. Measure the temperature of test tube one and test tube two. Be precise with your measurements.
2. Pour test tube one into test tube 2.
3. Allow 1 minute to pass, and then measure the temperature of the results.
4. Now measure the temperature of test tube A and test tube B. Again, be precise.
5. Pour test tube A into test tube B.
6. Allow 1 minute to pass, and then measure the temperature of the results.

Test tube 1 / A	Test tube 2 / B	Results

Part 7: To test precision and ability to follow directions.**Part 1 :**

1. Label 6 test tubes in order : A, B, C, D, E & F.
2. Fill a beaker half full with water. Use this to rinse your graduated cylinder and test tubes.
3. The second beaker is for contaminated waste water.
4. Into test tube A, measure 25 mL of RED liquid.
5. Into test tube C, measure 17 mL of YELLOW liquid.
6. Into test tube E, measure 21 mL of BLUE liquid.

Part 2 :

1. From test tube C, measure 4 mL and pour into test tube D.
2. From test tube E, measure 7 mL and pour into test tube D. Swirl.
3. From test tube E, measure 4 mL and pour into test tube F.
4. From test tube A, measure 7 mL and pour into test tube F. Swirl.
5. From test tube A, measure 8 mL and pour into test tube B.
6. From test tube C, measure 3 mL and pour into test tube B. Swirl.
7. Save your results . Measure the contents of each test tube and record how many mL were found in each test tube.
8. Answer questions.

Data :**Table 1 : Test Tube Results**

Test Tube	Color of Liquid	Amount of Liquid (mL)
A		
B		
C		
D		
E		
F		
Total Liquid of all Test Tubes.		

Name: _____