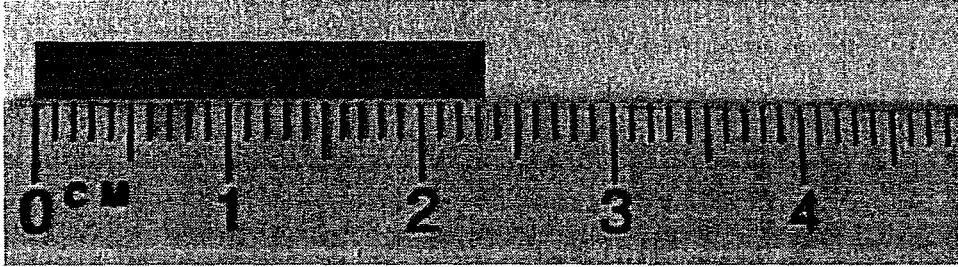


Name: _____

Date: _____ Period: _____

Scientific Measurement Classroom Scavenger Hunt



Part one: Measuring length

Directions: Use either a meter stick or metric ruler to measure the following items in the class room. You will work in lab groups but can move around the room if you need to. *Convert your measurements using your metric chart.*

1. Length of paper clip: _____ cm _____ dm
2. Width of paper clip: _____ cm _____ mm
3. Width of classroom door: _____ cm _____ m
4. Height of classroom door: _____ cm _____ km
5. Length of student desk: _____ cm _____ m
6. Length of teacher desk: _____ cm _____ km
7. Length of science book: _____ cm _____ mm
8. Width of science book: _____ cm _____ mm
9. Thickness of science book: _____ cm _____ mm
10. Length of classroom (across the front of the room by the board) _____ cm _____ km
11. Length of new pencil eraser: _____ cm _____ m
12. Thickness of pencil eraser: _____ cm _____ mm
13. Length of computer keyboard: _____ cm _____ dm
14. Height of classroom floor to ceiling: _____ cm _____ km

Part two: Measuring mass and volume

Directions: Using the _____ balance and graduated cylinder, measure the mass, in grams. *Then convert to the new unit.*

- | | |
|---|----------|
| 1. Empty graduated cylinder: _____ g | _____ kg |
| 2. <i>4.5</i> ml of water: _____ g (hint: you will need to do some subtraction here!) | _____ mg |
| 3. <i>9.5</i> ml of water: _____ g (see hint in # 2) | _____ dg |
| 4. Brand new pencil: _____ g | _____ mg |
| 5. 10 paper clips: _____ g | _____ mg |
| 6. Dry erase marker: _____ g | _____ cg |
| 7. <i>Post It PAD</i> _____ g | _____ kg |
| 8. Highlighter: _____ g | _____ dg |

Part Three: Conclusions

Directions: Answer the following questions in complete sentences on separate lined paper.

1. What is the smallest amount of liquid your graduated cylinder can measure?
2. What is the most amount of liquid your graduated cylinder can measure?
3. What was the heaviest thing you weighed?
4. What was the lightest thing you weighed?
5. Explain how you measure the amount of liquid in the graduated cylinder.
6. What was the longest thing you measured?
7. What was the shortest thing you measured?
8. Why is the metric system easier to use than the standard English system?
9. *Calculate the volume of your textbook.*