

Purpose

The lab was an orientation and we went over units of measure and conversion.

Procedures

My notebook was used for the linear measurements and my cell phone was used for the weighted measurement. The containers and the pH testing strips were provided. I used a timer on my cell phone to measure time while checking my pulse rate.

Results

| Linear Measurements |        |         |
|---------------------|--------|---------|
| Length              | 280 mm | 28 cm   |
| Width               | 215 mm | 21.5 cm |
| Depth               | 20 mm  | 2 cm    |

| Volume Measurements |        |        |
|---------------------|--------|--------|
| Beaker              | 100 ml | .1 l   |
| Graduated cylinder  | .98 ml | .098 l |

| Mass Measurement |           |          |
|------------------|-----------|----------|
| Cell Phone       | .02462 mg | 204.62 g |
| Water            | .09458 mg | 94.58 g  |

| pH Measurement |    |
|----------------|----|
| Container "A"  | 4  |
| Container "B"  | 7  |
| Container "C"  | 10 |

| Time Measurement        | beats/second | beats/minute | beats/millisecond |
|-------------------------|--------------|--------------|-------------------|
| Pulse rate after 15 sec | 17           | .283333      |                   |
| Pulse rate after 60 sec | 66           | 1.2          | 66000             |

Discussion

The conversions were not difficult to calculate. The pages in the lab report with the conversion information assisted with that. I did notice that my pulse rate at 60 sec was a little off if you multiply the 15 sec by four. I think that was because I would have to move my hand to press start on the timer.

### Conclusion

Reviewing conversions and measurements is helpful since the U.S. does not use the metric system. When taking my pulse again I will try to use something else as a timer so that my measurement is more accurate.