Chemistry
Unit #2: Measurement

Homework Part I

Convert the measurements using dimensional analysis. Show your work, show your units, and label.

- 5280 ft = 1 mile
- 0.454 kg = 1 pound
- 1.6 kilometers = 1 mile
- 100 centimeters = 1 meter
- 1000 meters = 1 kilometer
- 4 quarts in one gallon
- 100 years = 1 century
- 365 days = 1 year
- 30 days = 1 month
- 60 minutes = 1 hour
- 24 hours = 1 day
- 60 seconds = 1 minute

Single Step Dimensional Analysis

1. 3.4 liters to milliliters

2. 876 millimeters to meters

3. 0.9 centigrams to grams

4. 45 meters to centimeters.

5. Convert 0.347 kilometers to miles.

Multiple Step Dimensional Analysis

6. Convert 746 days to centuries.

7. Convert 48,987 minutes to days.

8. Convert 4.66 centimeters to miles