Measuring Worksheet 4

Convert the measuring units as indicated.

Dimensional Analysis Worksheet Day 1

1a. 7 m = _____ cm

1b. 6 cm = _____ mm

2a. 50 mm = _____ cm

2b. 8 km = _____ m

3a. 4,000 g = _____ kg

3b. 8 L = _____ ml

4a. 600 cm = _____ m

4b. 10 mm = _____ cm

5a. 10 m = _____ cm

5b. 3,000 m = _____ km

6a. 6,000 m = _____ km

6b. 10 km = _____ m

7a. 2 cm = _____ mm

7b. 1,000 m = _____ km

8a. 6 kg = _____ g

8b. 4 km = _____ m

9a. 3 m = _____ cm

9b. 1 m = _____ cm

10a. 5 L = _____ ml

10b. 5 m = _____ cm

NEED TO KNOW!!!

1000 mL = 1 L

1000 mg = 1 g

1000 mm = 1 m

100 cm = 1 m

1 cm^3 = 1 mL

You will Use them in Chemistry!

Not necessarily all we will use

Dimensional Analysis Practice

Use dimensional analysis to convert each rate. Show all of your work and draw a line through the units that cancel. Round your answer to the nearest hundredth.

1. Convert 25 feet per second to miles per hour.

2. Convert 75 miles per hour to feet per second.

3. Last seasons "Biggest Loser" lost .952 ounce per hour. Convert this to pounds per week.

4. Convert 4.824 meters per second to kilometer per hour

5. Alex Rodriquez's new contract is expected to be $30,000,000 per year. Convert this to dollars per minute.

6. It cost $.001 per second for electricity to run a light bulb, find the cost per month.

7. A giraffe can run 32 miles per hour. What is this speed in meters per minute? Round your answer to the nearest tenth.