

**Conversion Factor Worksheet Problem Solving #2**

Name \_\_\_\_\_

Do the following conversions, using dimensional analysis in a DA table. Show all of your work as instructed, for each of the TWO conversions in each problem. You must use 2 totally separate steps as 2 answers are needed for each problem.

Convert:

1a. 238 grams to milligrams

b. 238 grams to kilograms

2a. 13.52 grams to milligrams

b. 13.52 grams to kilograms

3a. 240 grams to milligrams

b. 240 grams to kilograms.

4a. 243 liters to milliliters

b. 243 liters to  $\text{cm}^3$ .

5a. 170 grams to milligrams

b. 170 grams to kilograms

6a. 0.0450 liters to milliliters

b. 0.0450 liters to  $\text{cm}^3$ .

7a. 197.5 meters to millimeters

b. 197.5 meters to kilometers

8a. 135.4 milliliters to liters

b. 135.4 milliliters to  $\text{cm}^3$ .9a. 775 milliliters to  $\text{cm}^3$ 

b. 775 milliliters to Liters

The following problems involve 2 or more steps. Learn to work them as one problem.

10. 1750 milligrams to kilograms

11. 1.920 kilograms to milligrams

12. 653 centimeters to kilometers

13. 1.35 liters to  $\text{cm}^3$ .

14. 395 centimeters to millimeters

15. 34.40 millimeters to centimeters

16.  $7.65 \times 10^5$  millimeters to kilometers