

Conversion Factor Worksheet Problem Solving      Name \_\_\_\_\_

Do the following conversions. Show all of your work as instructed, for each of the TWO conversions in each problem. Convert:

1. 0.00238 grams to milligrams, to kilograms
  
2. 13.52 grams to milligrams to kilograms
  
3. 2450 grams to milligrams to kilograms.
  
4. 243 liters to milliliters to  $\text{cm}^3$ .
  
5. 170 grams to kilograms to milligrams
  
6. 0.0450 liters to milliliters to  $\text{cm}^3$ .
  
7. 197.5 meters to millimeters to kilometers
  
8. 135.4 milliliters to liters to  $\text{cm}^3$ .
  
9. 775 milliliters to  $\text{cm}^3$  to Liters
  
10. 1,750 millimeters to meters to kilometers
  
11. 0.895 kilograms to grams to milligrams
  
12. 4.2 kilograms to grams to milligrams
  
13. 0.0845 centimeters to meters to kilometers to millimeters

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

14. 1750 milligrams to kilograms
  
15. 1.920 kilograms to milligrams
  
16. 653 centimeters to kilometers
  
17. 1.35 liters to  $\text{cm}^3$ .
  
18. 395 centimeters to millimeters
  
19. 34.40 millimeters to centimeters
  
20.  $7.65 \times 10^5$  millimeters to kilometers