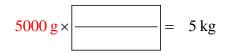
Physical Science Metric Conversions Worksheet #1

What metric units would be used to represent each of the following?

1.	1000 grams	kilogram	4. 41/1000 meter
2.	1/10 liter		5. 1/100 m
3.	1/1000 liter		6. 1000 s

Convert each of the following measurements to the units indicated. Show your work!

7. 5000 grams to kilograms



- 8. 100 liters to milliliters

14. 3 kilograms to grams

12. 400 seconds to kiloseconds

13. 450 meters to centimeters

10. 2000 milliliters to liters

9. 100 meters to centimeters

15. 120 milliseconds to seconds

11. 30 centimeters to meters

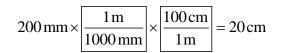
16. 24.5 kilograms to grams

MORE PROBLEMS ON BACK→

You can convert any values within the metric system, even if you only remember a few relationships. Sometimes, you'll need to use a two step process. For example, when converting 200 millimeters to centimeters:

You know that 1000 millimeters = 1 meter and 100 centimeters = 1 meter

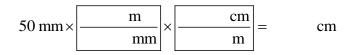
Use a two-step process:



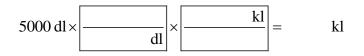
Then ask yourself: *Does it make sense?* Yes, a mm is smaller than a cm, so there <u>should</u> be more of them

Try These:

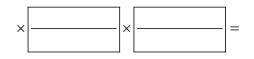
12. 50 millimeters to centimeters



13. 5000 deciliters to kiloliters



14. 100 kilograms to centigrams



- 15. 100 centimeters to millimeters
- 16. 12 kiloseconds to milliseconds