Metric Conversions

Converting from one metric unit to another is easy if you know the order of the metric prefixes. You can remember the mnemonic: *King Henry Died Unexpectedly Drinking Chocolate Milk*. This represents kilo, hecto, deka, unit, deci, centi, milli. The base could be meter, liter, or gram. Use the foldable we did in class to help you with this.

For everyone, 20 continue to us - mailling atoms
For example: 20 centimeters = millimeters.
To convert 20 centimeters into millimeters, I would begin at the the centi spot. I would have to jump one space to the right to get to milli. So I would move my decimal one place to the right. 20 centimeters = 200 millimeters. REMEMBER if there is no decimal put one at the end of the number. Now you try:
1.1 meter = decimeters
2.1 meter = centimeters
3.1 meter = millimeters
4.1 kilometer = hectometers
5.1 kilometer = dekameters
6.1 kilometer = meters
7.1 hectometer = meters
8.1 hectometer = dekameters
9.1 dekameter = meters
10.1 decimeter = millimeters
11.1 decimeter = centimeters
12.1 centimeter = millimeters
13.100 centimeters = meter
14.1000 millimeters = meter

15.10 decimeters = _____ meter

This method also works if you are measuring volume and mass. Convert the following metric measurements and then write what is being measured (length, volume, or mass)

16.537 mm = _____ m ____length_____

17.425 km = _____ m ____

18.567 g = _____ Kg ____

19.963 mL = _____ L _____ L ____

20.2.5 km = _____ hm ____

21.5000 mL = _____ daL _____

22.166 mg = _____ g _____

23.43.51 cm = _____ mm ____

24.317 g = _____ mg ____

25.0.55 km = _____ dm ____

26.5.26 m = _____ cm ____

27.6.13 cg = _____ mg ____

28.436.32 m = _____ km ____

29.637.3 mL = _____ L ____

30.20.1 cL = _____ dL _____