Metric Conversion



You don't really think I can do this??

The Metric Staircase







Here is a sentence to help you remember the prefixes.



The standard unit of length is the meter.



The standard unit of mass is the gram.



The standard unit of volume is the liter.





unit differs from the next by a factor of 10.

Units get larger as you climb. Units get smaller as you descend.





- Let's use a line to represent a distance of a kilometer.
- 1 km=10 hm=100 dkm=? m = ? dm = ?cm= ? mm





45.6 cm = ?? m

45.6 cm = .456 m



4568 g = ?? kg

4568 g = 4.568 kg



9.08 l = ?? ml

$9.08 \mid = 9,080 \text{ ml}$



320 mg = ?? g

320 mg = 0.320 g



Homework 1) 10 L = ?? ml 2) 123 mm = ?? cm 3) 3000 g = ?? kg

4) 1.2 kg = ?? dkg 5) 1.2 kg = ?? dg 6) 5g = ?? mg 7) 50 g = ?? kg