# Homework: Units in Measurement

| *PREFIXES* |
| :--- |
| Kilo- |
| Hecto- |
| Deca- |
| *BASE UNIT* |
| Deci- |
| Centi- |
| Milli- |

**1. Complete the table below:**   *Remember, the prefixes we used for length, can also be used for ANY metric unit.

| 1245 kg | **convert to→** | _____ g | _____ mg |
| :--- | :--- | :--- | :--- |
| 515 km | **convert to →** | _____ dm | _____ cm |
| 122.355 s <br> (s = second) | **convert to →** | _____ ms | _____ ks |

**2.  Express the quantity of 254,998 m in each of the following:**

a.   _____ km

b.   _____ mm

c.   _____ dam

d.   _____ cm

**\*Convert the following quantities into the units given.**

3.   154 cm  =  _____ hm

4.   3.5 L  =  _____ mL

5.   3.14 kg  =  _____ g

6.   109 mm  =  _____ dm

7.   1.4 km  =  _____ mm

8.   116 mg  =  _____ kg

9.   1845 mL  =  _____ kL

10.  815 g  =  _____ mg

| **THINK•ABOUT•IT** |
| :--- |
| How many 1-cm squares would it take to construct a square that is 1 m on each side? Show your work. *Watch your units!* |