Assessment Redo - Worksheet

In order to re-submit your introduction assessment for re-grading, you must also submit this worksheet and get at least 90% on it. You will probably have to use outside sources beyond the course material to help you complete this worksheet.

Units

	Unit	**Symbol**	**Equivalent Combination**
Mass			
Length			
Time			
Current			
Temperature			
Force			
Velocity			
Acceleration			
Volume-liq			
Volume-sol			
Area			
Power			
Density			
Energy			
Frequency			
Current			
Angle			
Pressure			

Conversions

100 mm ⇒ _____ m

1 A ⇒ _____ µA

0.89 Gs ⇒ _____ Ms

0.02 N ⇒ _____ mN

3141 W ⇒ _____ kw

1 234 567 Hz ⇒ _____ MHz

0.000 387 L ⇒ _____ µL

3 GJ ⇒ _____ MJ

1867 g ⇒ _____ kg

0.045 V ⇒ _____ mV

3274 nL ⇒ _____ mL

1234 mg ⇒ _____ g

0.6745 kW ⇒ _____ W

86.400 s ⇒ _____ ks

123 mΩ ⇒ _____ Ω

0.456 mF ⇒ _____ µF

273 MW ⇒ _____ GW

200 000 m ⇒ _____ km

31 415 926 mm ⇒ _____ km

62 831 852 µg ⇒ _____ g

2022 kJ ⇒ _____ MJ

Communication

Make an observation, come up with a model to explain your observation, and come up with a test for your model. Here is an example;

> Question: Why do sidewalks have cracks at regular intervals? Model: Maybe each section is the same amount of concrete that one wheel-barrow will hold. Test: I'll look up the volume of a wheel barrow and estimate the volume of a section of side walk and see if they are the same.