<u>Homework Day #2</u>

Question 1.

        a.   Convert 2.39cm into m
        b.   Convert 645km to m
        c.   Convert 12 999mm to m

Question 2.

        a.   Convert 3mg into g
        b.   Convert 64.7 t into kg
        c.   Convert 49110763 mg into t

Question 3.

        a.   Convert 60 ml into l
        b.   Convert 2 kl into l
        c.   Convert 63 000 ml into kl
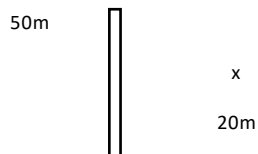
Question 4.

        a.   Convert 25 degrees Celsius into Fahrenheit
        b.   Convert 10 Fahrenheit into degrees Celsius

Question 5.

        a.   Convert 4 days into min
        b.   Convert 121 days into s
        c.   1000 seconds into min and s

Question 6.

Electricity towers are tall structures that have a small base. The tower is anchored to the ground with very strong cables. If a tower is 50m high and the anchor point {x} is 20m away from the base of the tower, how long must the anchor cable be?

50m

           x

         20m

Question 7.

        a.   Convert 2m^2 into cm^2
        b.   Convert 3000 cm^3 into m^3

Question 8.

A wooden board has a length of 20 cm and a width of 100 mm. A hole with the radius of 3cm is drilled into the wooden board. What is the final surface area of the face of the wooden board?

Surface Area of a rectangle: Length x width

Surface Area of a circle: 3.142 x {radius}^{2}