Practice Reading the Gauge

When reading the CoCoRaHS Rain Gauge, the inner cylinder has markings to the nearest \( \frac{1}{100} \) of an inch, with a total capacity of 1 inch. While looking at the cylinder, notice the numbers: .1, .2, .3, etc...

*Note: these numbers are in TENTHS of an inch*

Therefore, halfway up the tube, \( .5 \) is equal to \( \frac{1}{2} \) inch.

Can you find \( \frac{3}{4} \) of an inch? (.75)
How about \( \frac{2}{3} \) of an inch? (.67)

Important Points:

When measuring liquid in a cylindrical container, you will notice a curved surface at the top of the liquid--This is called a meniscus. For an accurate reading, follow the bottom line of the meniscus for your measurement.

The Meniscus

It is also important to view the gauge at a straight-on eye level.

*Note, if you are using perfectly clean water and a clean inner tube, you may not see a meniscus at all. You may need to wait until you have rain water to be able to see the meniscus. **

Practice using the attached worksheet
Read the rain gauge to the nearest 1/100\(^{th}\) of an inch
(Remember to read from the **BOTTOM** of the meniscus)