

# Practice Reading the Gauge

## Teacher's Guide

When reading the CoCoRaHS Rain Gauge, the inner cylinder has markings to the nearest  $1/100^{\text{th}}$  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.

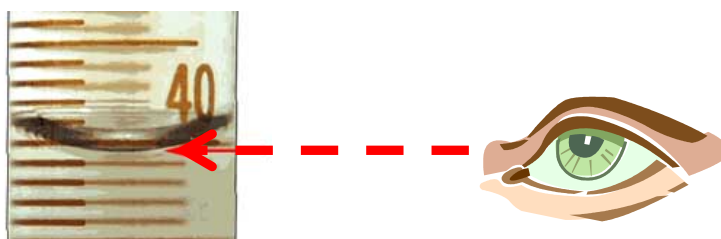
Can you find  $\frac{3}{4}$  of an inch? (.75)

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. \*\*

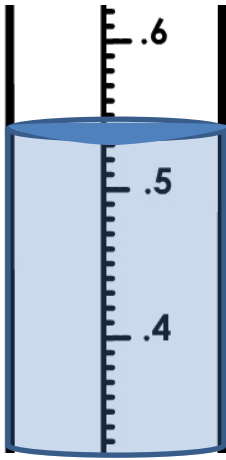
Practice using the attached worksheet

Name: \_\_\_\_\_

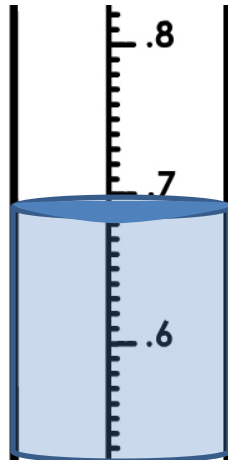
Score: \_\_\_\_\_

**Read the rain gauge to the nearest  $1/100^{\text{th}}$  of an inch**

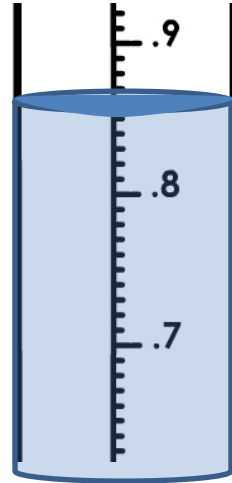
(Remember to read from the **BOTTOM** of the meniscus)



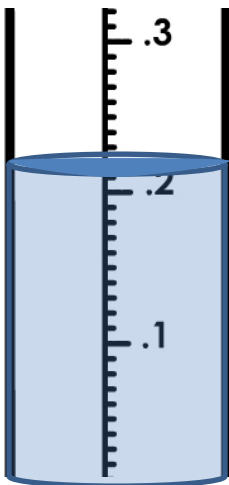
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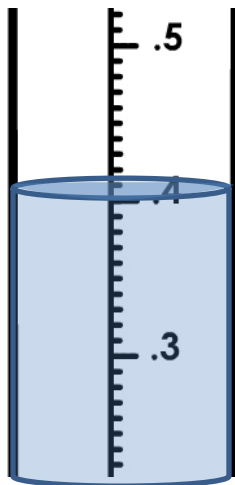
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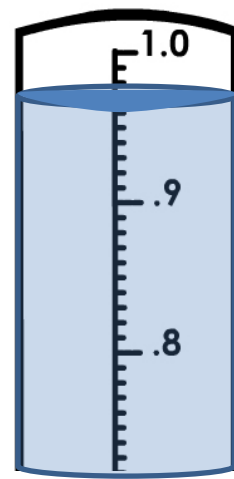
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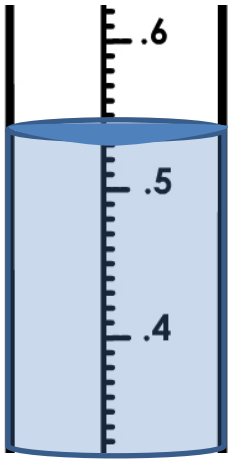
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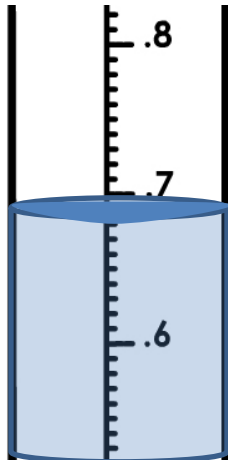
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## Answer Key

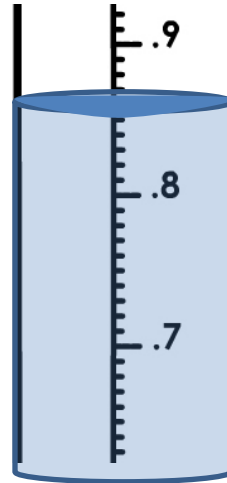
Read the rain gauge to the nearest  $1/100^{\text{th}}$  of an inch



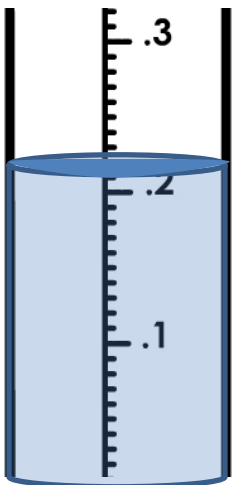
.53



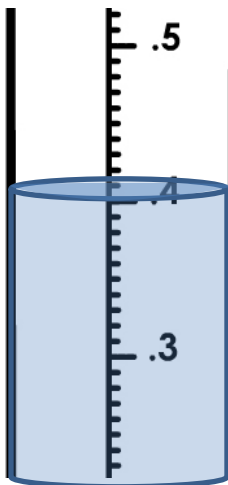
.68



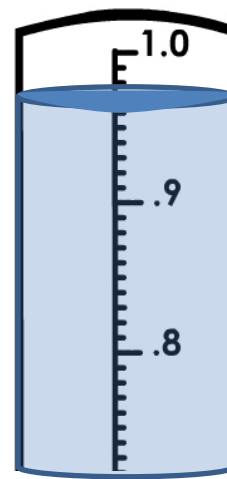
.85



.21



.40



.96