

One drop at a time... Let's read a rain gauge!

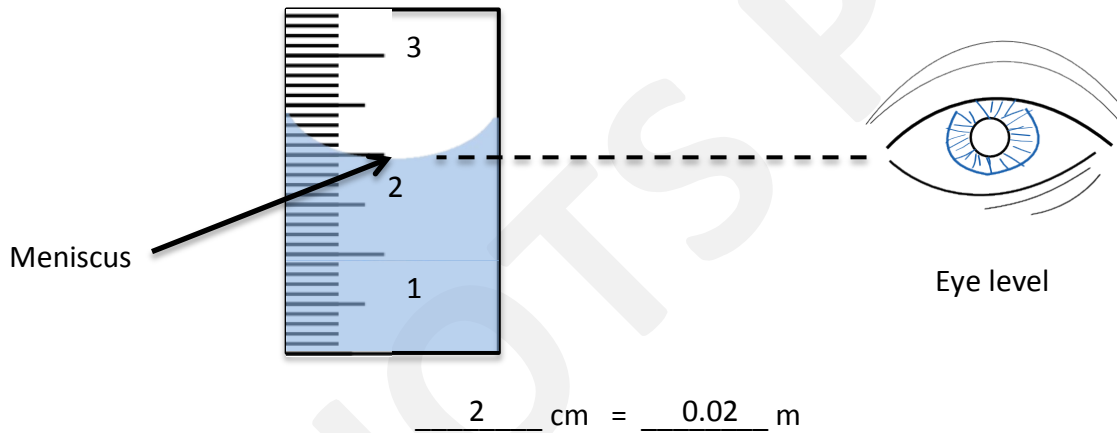
In Chapter 2 Oscar, Hank and Hannah become part of a hurricane. What are some effects of these storms? Hurricanes can bring high volumes of rain to an area. Scientists use **rain gauges** to measure how much it rains. Let's practice!

A **rain gauge** is an instrument used to measure the amount of liquid precipitation over a set period of time.

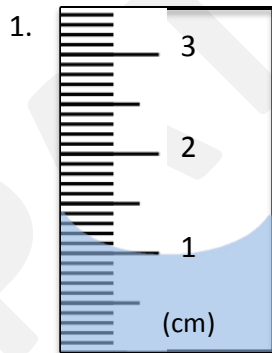
How to Read a Rain Gauge

When measuring liquid in a rain gauge, always read from the bottom of the **meniscus**. A meniscus is the curved upper surface of a liquid in a tube.

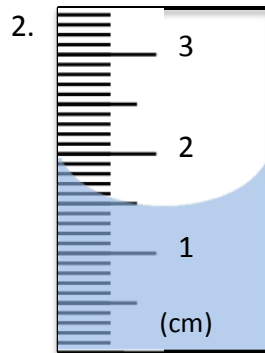
Example:



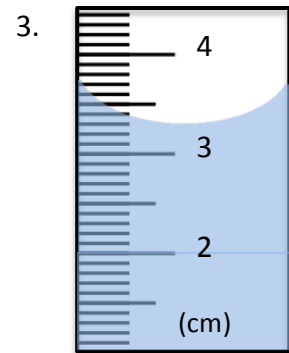
Read the following rain gauges. Record your measurements in both centimeters and meters.



_____ cm
 _____ m

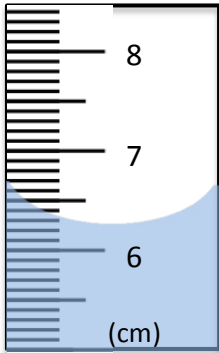


_____ cm
 _____ m



_____ cm
 _____ m

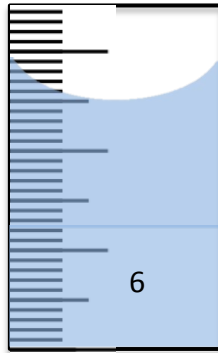
4.



_____ cm

_____ m

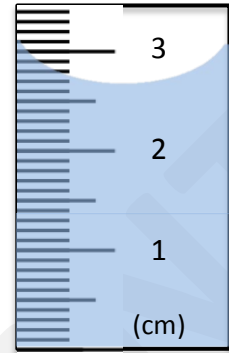
5.



_____ cm

_____ m

6.



_____ cm

_____ m

Point to Ponder

(Standard EA-2.4, SC Math Standards 2007)

In 1989, Hurricane Hugo hit Charleston, SC. Hugo produced extreme wind and storm surge damage along the coast.

Here is rainfall data collected from National Oceanic & Atmospheric Administration (NOAA):

Edisto Island, SC - 10.28 inches

Mount Pleasant, SC - 8.10 inches

Savannah, GA - 6.10 inches

North Charleston, SC (Airport) - 5.90 inches

There are 2.54 centimeters in 1 inch. Can you calculate how many centimeters of rainfall Mount Pleasant, SC had during Hurricane Hugo? Show your work.