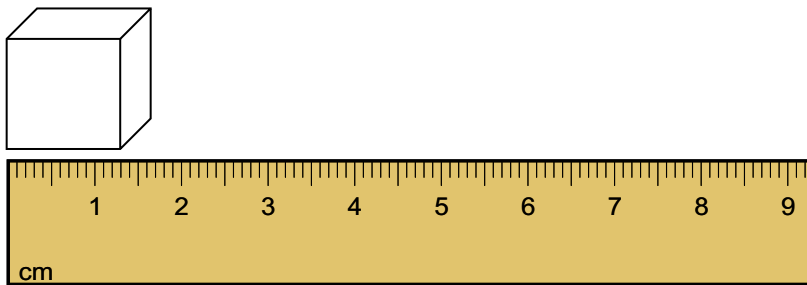


Name: _____ Section: _____

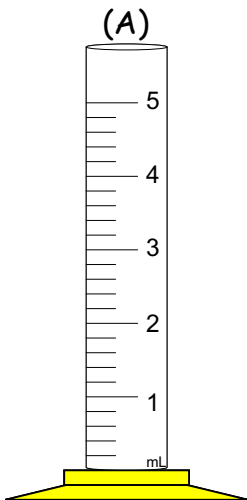
Measurement Practice - Volume, Length, Mass

VOLUME

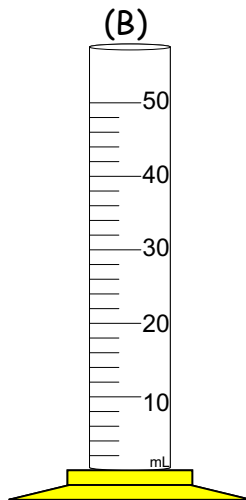
1. List two metric units used while practicing your volume measurements and identify what equipment was used for each.
2. Determine the metric volume of the cube below.



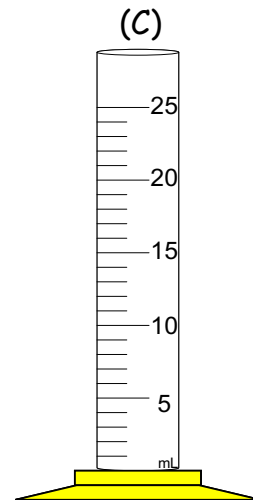
3. What are the values of the graduations (unmarked lines) in each of the following graduated cylinders?



graduations = _____



graduations = _____

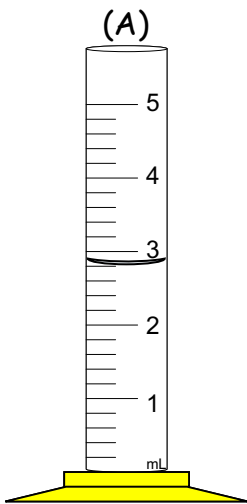


graduations = _____

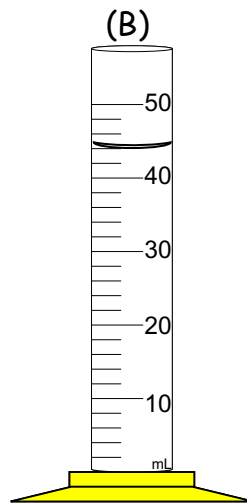
4. Which of the graduated cylinders from question three would provide you with the most accurate measurement for a rock that has a volume of around 2 mL? Explain your answer.

5. What do you call the curved, upper surface of water that commonly appears when using a graduated cylinder? Describe what causes this.

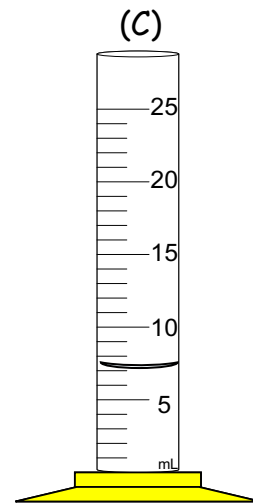
6. What is the volume of the liquid in each of the following graduated cylinders?



Volume = _____



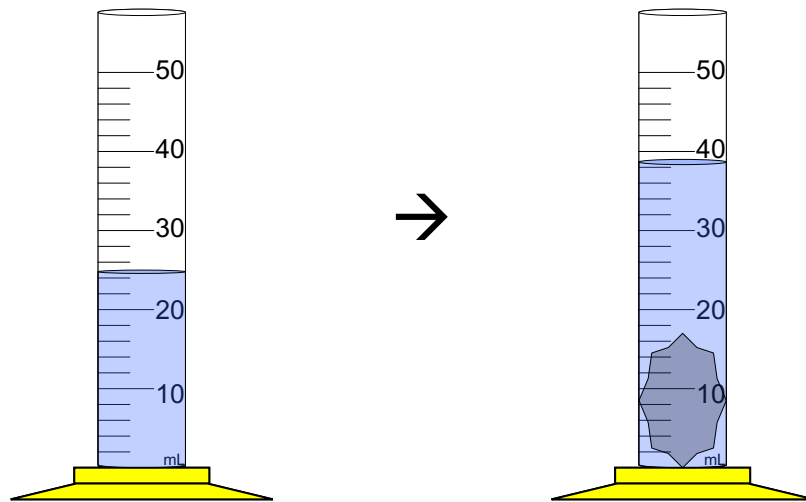
Volume = _____



Volume = _____

7. What do you call the procedure that helps you determine the volume of an irregularly shaped object, while using a graduated cylinder? How do you perform the procedure?

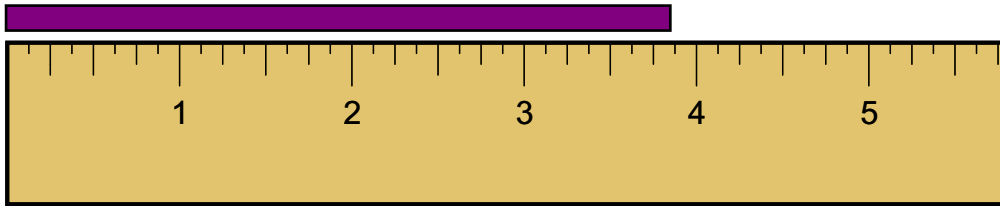
8. Refer to the diagrams below and determine the volume of the rock.



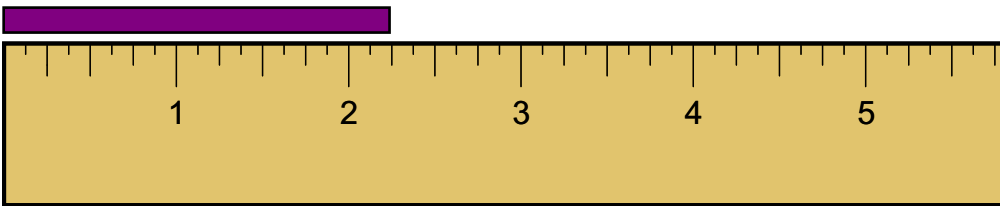
volume of rock = _____

LENGTH

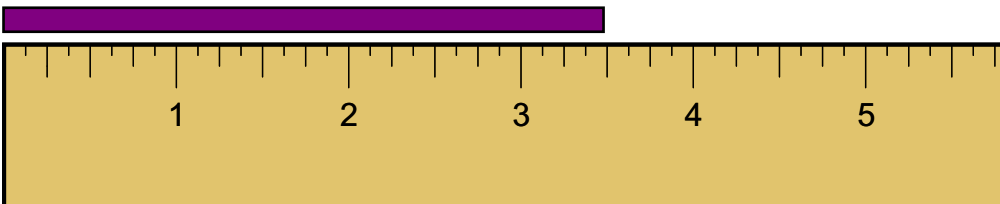
1. What is the length (in inches) of the lines below?



length = _____

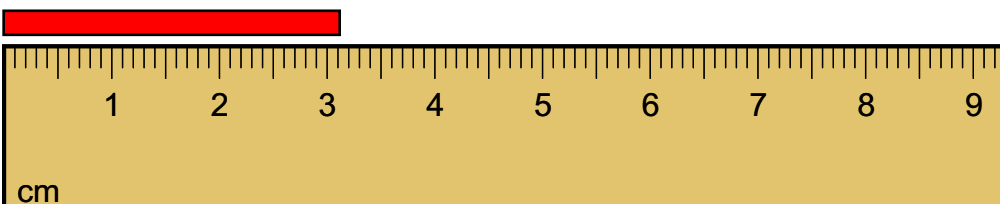


length = _____

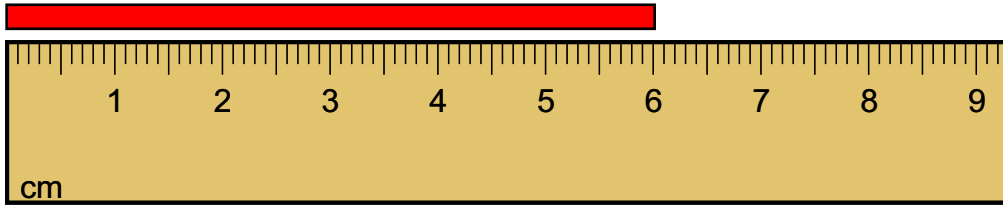


length = _____

2. What is the length (in centimeters) of the lines below?

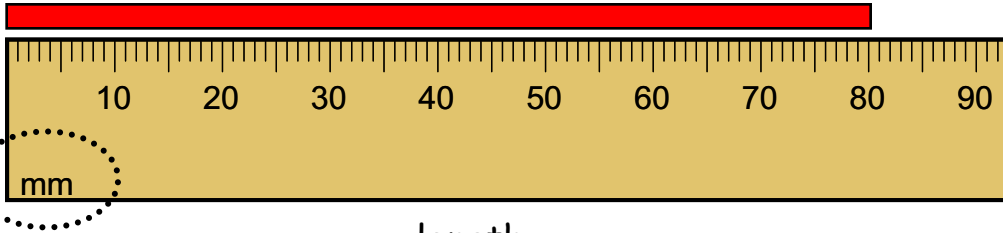


length = _____



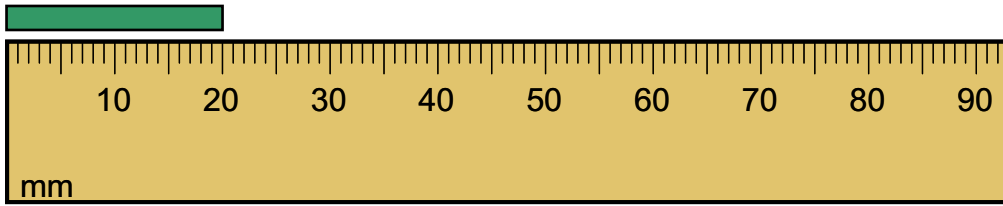
length = _____

BE
CAREFUL

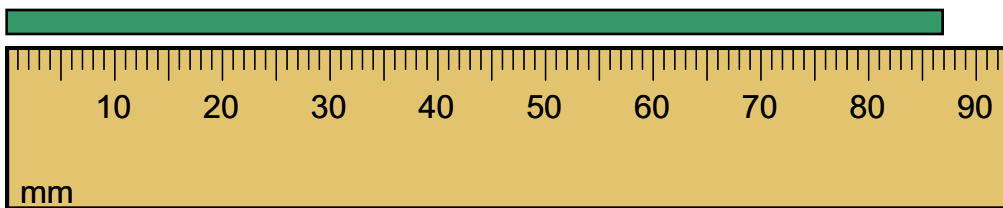


length = _____

3. What is the length (in millimeters) of the lines below?

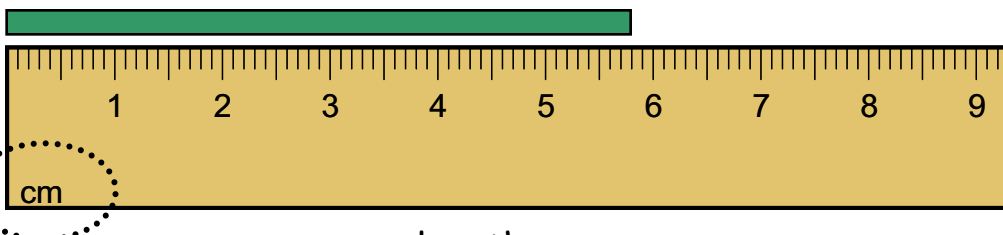


length = _____



length = _____

BE
CAREFUL

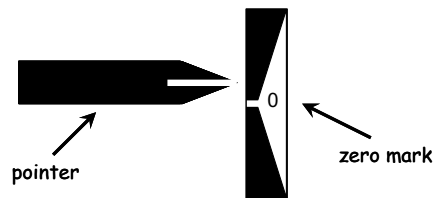


length = _____

MASS

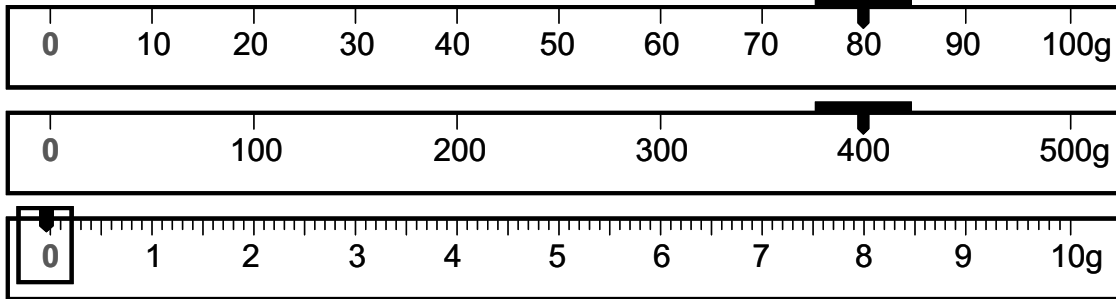
1. In order to get the most accurate measurement, it is always important to do what prior to using your triple beam balance?

2. If the picture below represents the pointer on a triple beam balance, would it be sensible to begin using the balance to obtain a measurement? Explain your answer.

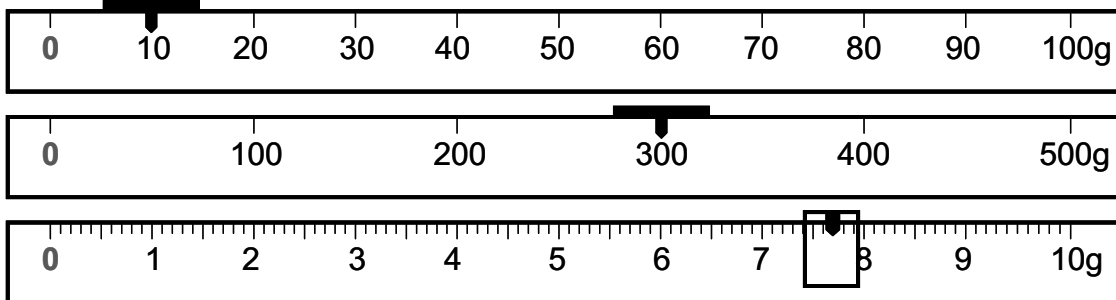


3. Consider the same picture from question two and describe, in detail, how one would get the pointer to move to zero on the center mark.

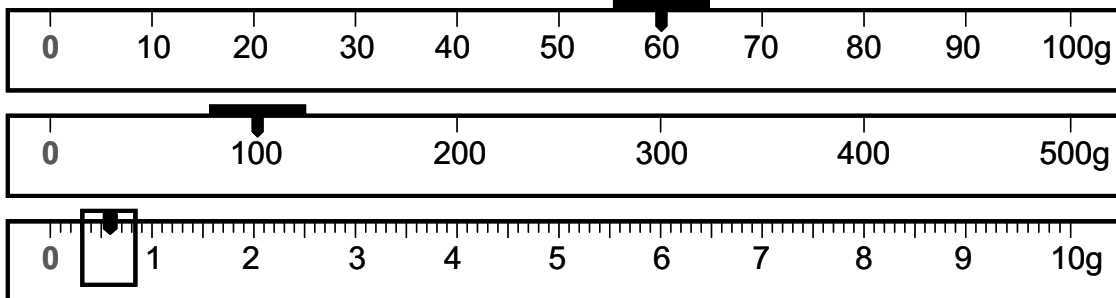
4. Assuming that the pointers have reached the "zero mark," what would be the mass of the objects according to the movable masses below?



mass = _____



mass = _____



mass = _____