

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

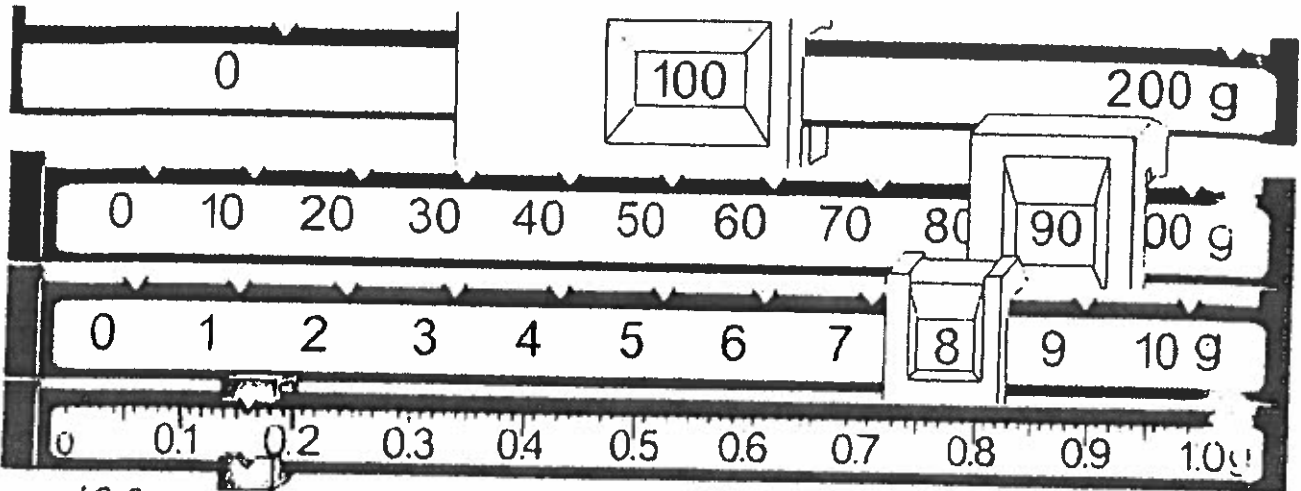
Per: \_\_\_\_\_

Date: \_\_\_\_\_

## Unit 1 Measurement Practice

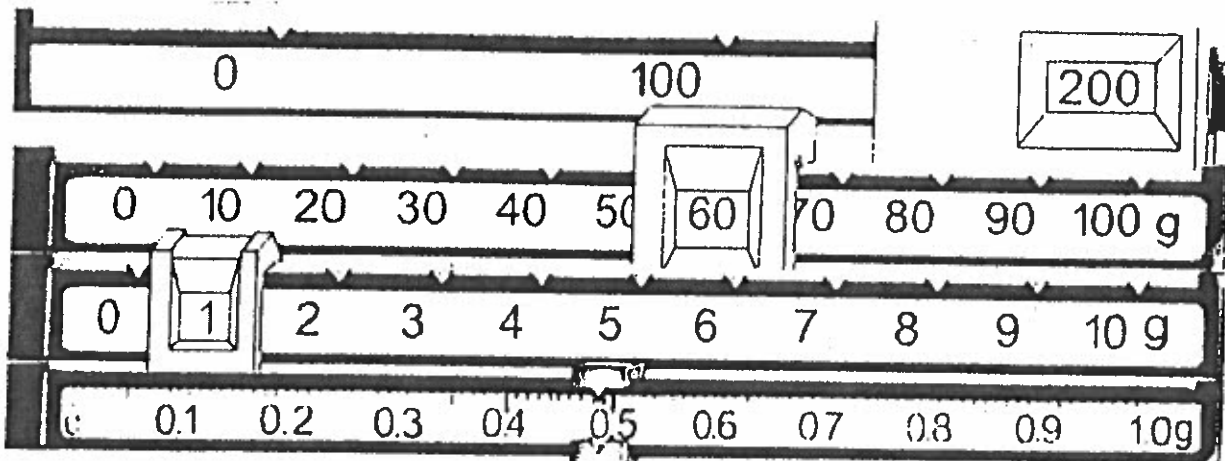
### Reading a Balance

The figure below shows a reading from a CentOgram balance. The mass is found by adding the readings from all four beams of the balance. Reading from the back the beams show masses of 100, 90, 8, and 0.162. When added together, the total mass is 198.162 grams. Find the remaining masses.

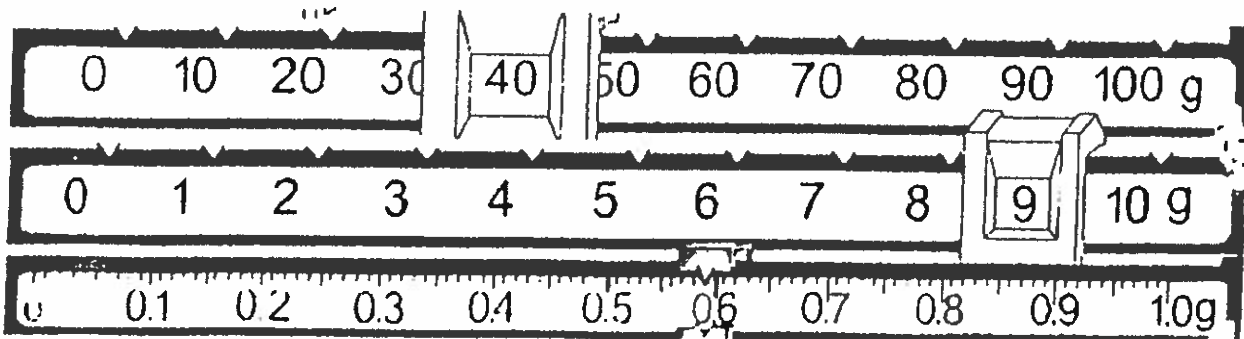


1. 198.162 g

$$100 + 90 + 8 + .162 = 198.162g$$

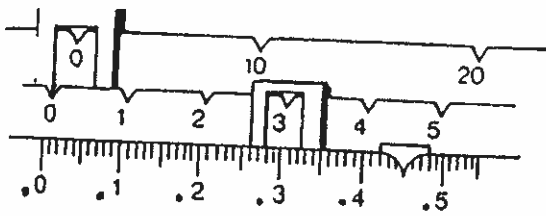


2. \_\_\_\_\_ g

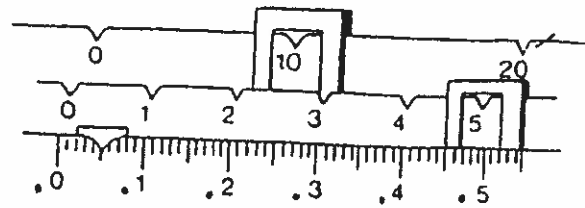


3. \_\_\_\_\_ g

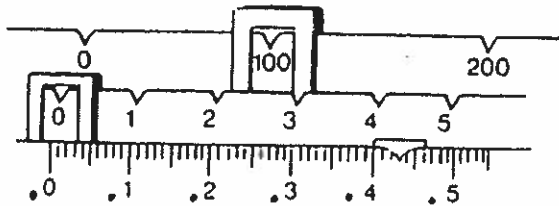




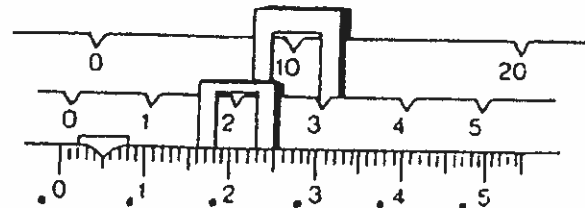
4. \_\_\_\_\_ g



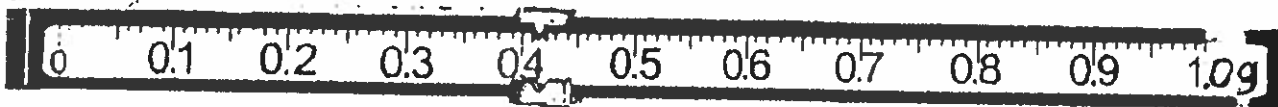
5. \_\_\_\_\_ g



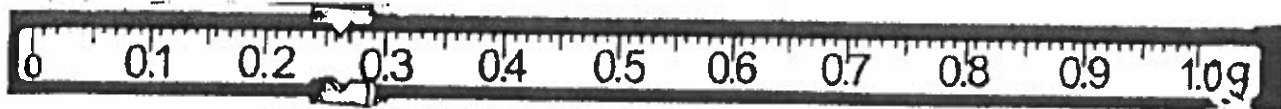
6. \_\_\_\_\_ g



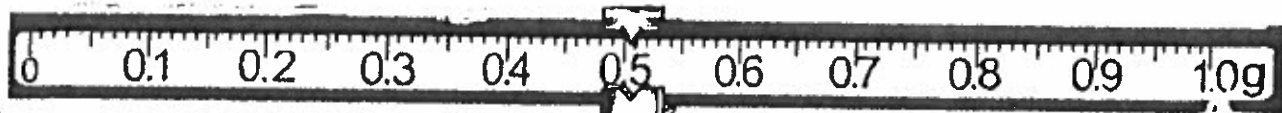
7. \_\_\_\_\_ g



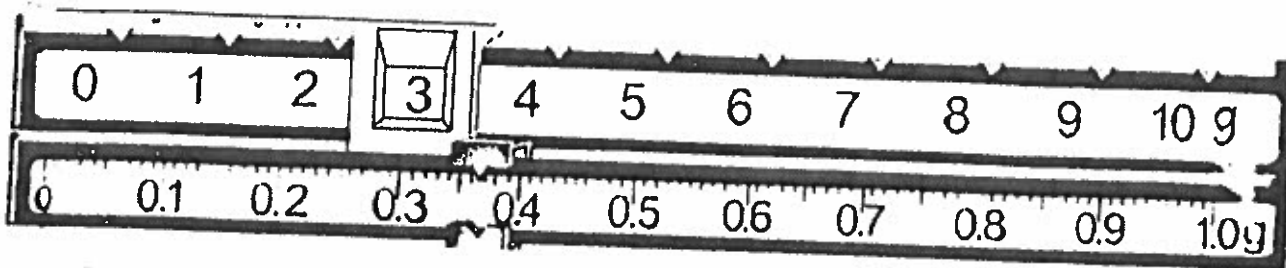
8. \_\_\_\_\_ g



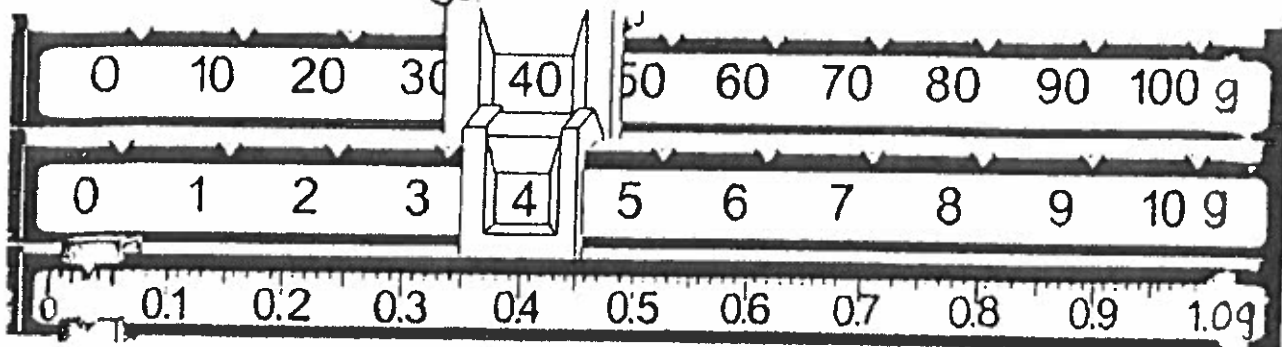
9. \_\_\_\_\_ g



10. \_\_\_\_\_ g



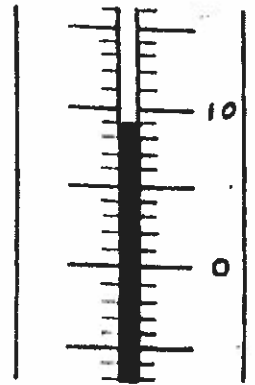
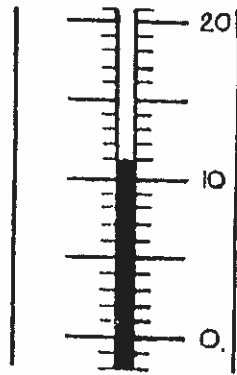
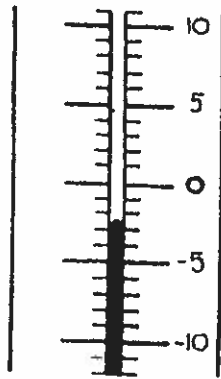
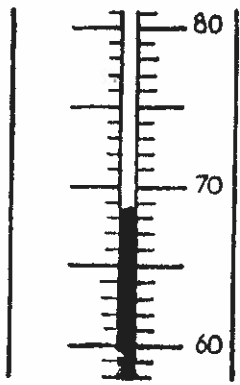
11. \_\_\_\_\_ g



12. \_\_\_\_\_ g

# READING THERMOMETERS

What temperature is indicated on each of these thermometers?

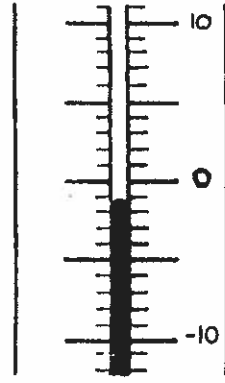
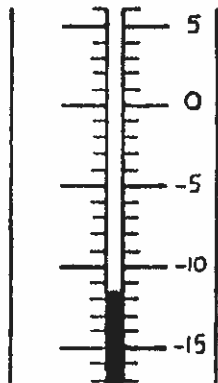
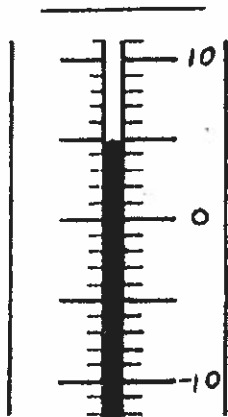


1. \_\_\_\_\_ °C

2. \_\_\_\_\_ °C

3. \_\_\_\_\_ °C

4. \_\_\_\_\_ °C



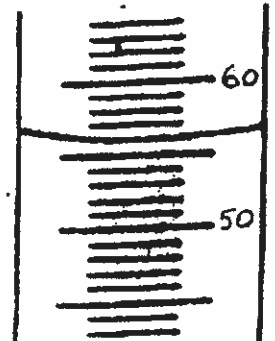
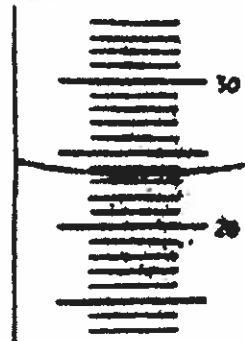
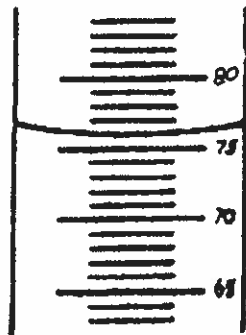
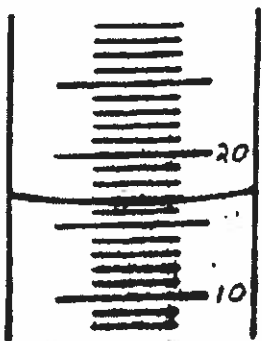
5. \_\_\_\_\_ °C

6. \_\_\_\_\_ °C

7. \_\_\_\_\_ °C

## Reading a Graduated Cylinder

Small quantities of a liquid can be measured using a graduated cylinder. You may notice how the liquid curves up the side of the cylinder. To get an accurate reading, read the measurement at the bottom of the curve, or meniscus.

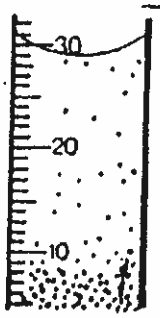


1. \_\_\_\_\_

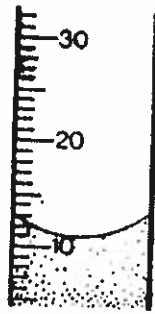
2. \_\_\_\_\_

3. \_\_\_\_\_

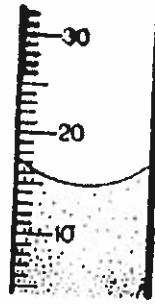
4. \_\_\_\_\_



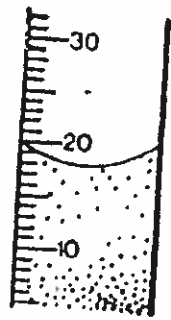
5. \_\_\_\_\_ ml



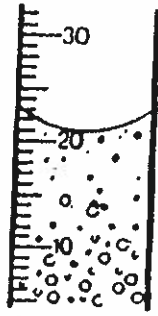
6. \_\_\_\_\_ ml



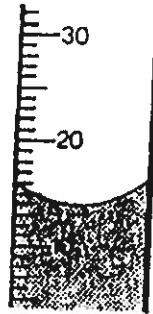
7. \_\_\_\_\_ ml



8. \_\_\_\_\_ ml



9. \_\_\_\_\_ ml

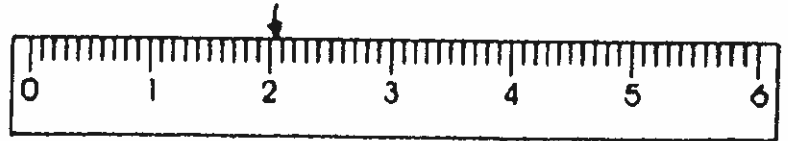


10. \_\_\_\_\_ ml

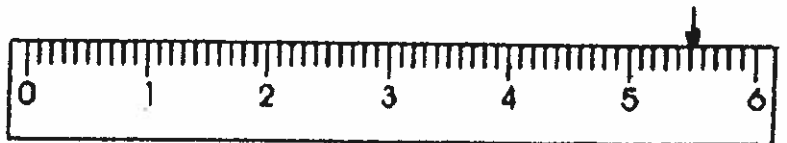
Write measurements for the following centimeter rulers to the nearest hundredth of a centimeter.

Reading  
a  
Ruler

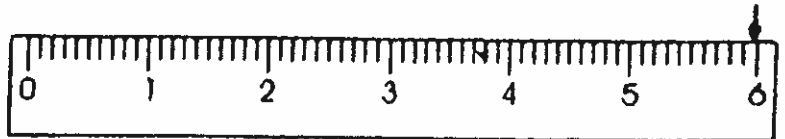
1. \_\_\_\_\_ cm



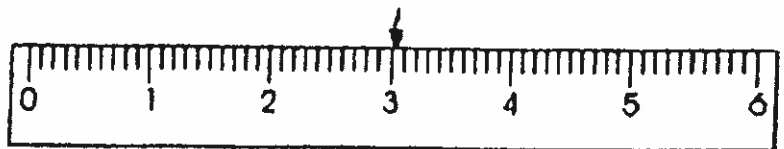
2. \_\_\_\_\_ cm



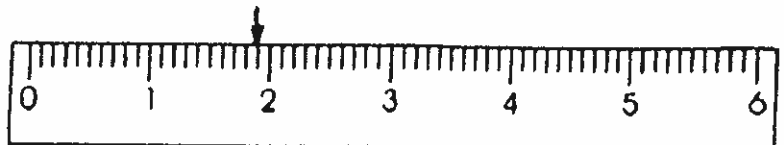
3. \_\_\_\_\_ cm



4. \_\_\_\_\_ cm



5. \_\_\_\_\_ cm

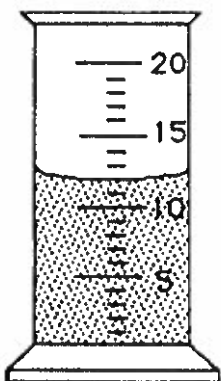


Name \_\_\_\_\_

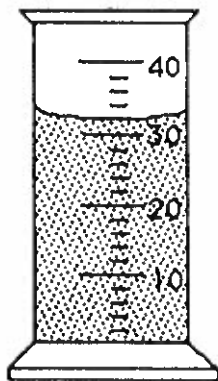
### SCIENTIFIC MEASUREMENT

#### Reading Graduated Cylinders and Measuring Line Segments

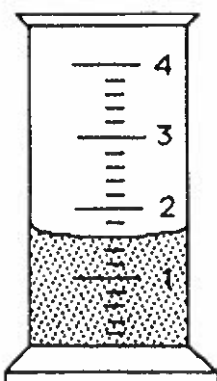
Read the meniscus line on these graduates.



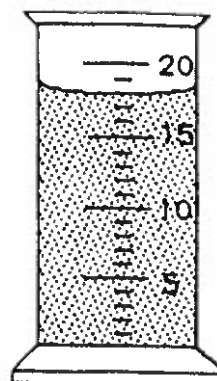
1. \_\_\_\_\_ ml



2. \_\_\_\_\_ ml

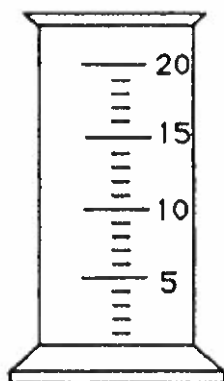


3. \_\_\_\_\_ ml

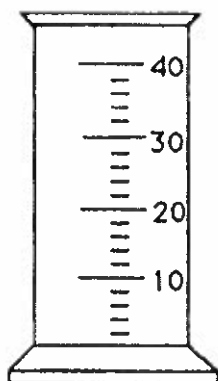


4. \_\_\_\_\_ ml

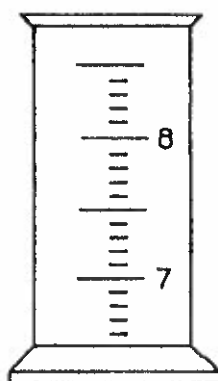
Draw a meniscus for each of the following graduates.



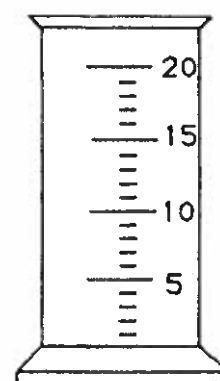
5. 14<sup>o</sup> ml



6. 22<sup>o</sup> ml



7. 7.6 ml



8. 12.5 ml

Measure the following line segments in centimeters.

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_