

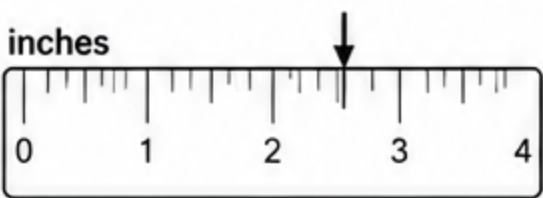
# Reading Measuring Tools: Rulers and Graduated Cylinders

Grade 7 – Measurement

**Directions:** Read each measurement shown on the tools below. Write your answer in the correct unit.

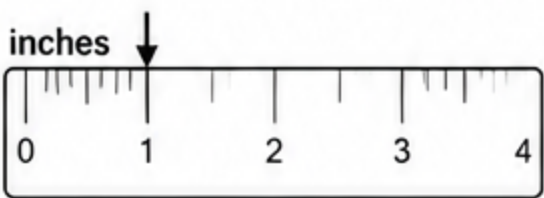
1. Read the measurements on the rulers.

a. inches



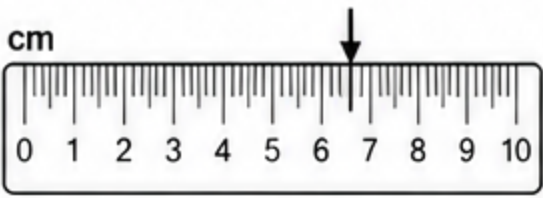
\_\_\_\_\_ in

b. inches



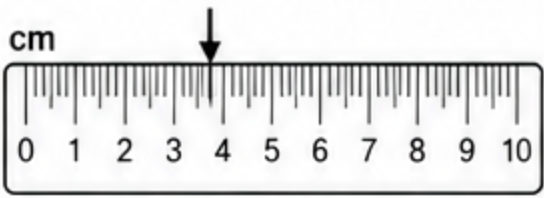
\_\_\_\_\_ in

c. cm



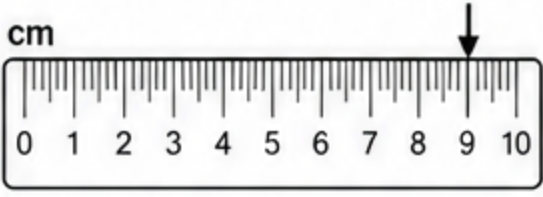
\_\_\_\_\_ cm

d. cm



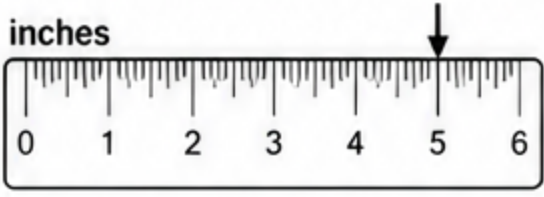
\_\_\_\_\_ cm

e. cm



\_\_\_\_\_ cm

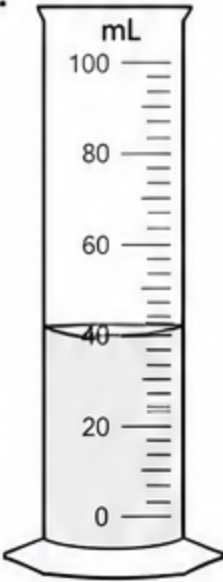
f. inches



\_\_\_\_\_ in

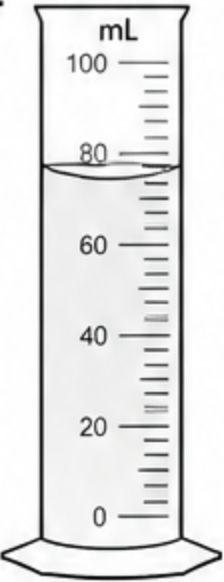
2. Read the volume in each graduated cylinder. Write your answer in milliliters (mL).

a.



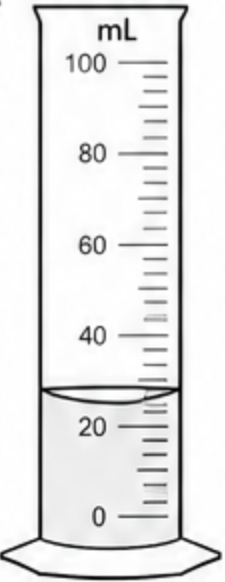
\_\_\_\_\_ mL

b.



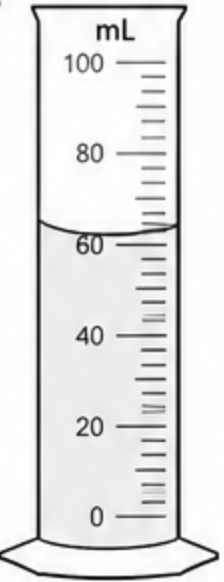
\_\_\_\_\_ mL

c.



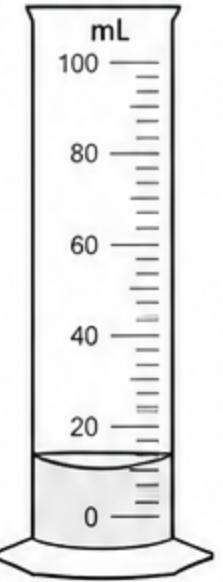
\_\_\_\_\_ mL

d.



\_\_\_\_\_ mL

e.



\_\_\_\_\_ mL

3. Use the tools above to answer the following questions.

- a. What is the length difference between the measurements in 1a and 1b? Write your answer in inches.

\_\_\_\_\_ in
- b. How much longer is the measurement in 1e than the measurement in 1c? Write your answer in centimeters.

\_\_\_\_\_ cm
- c. What is the total volume of the liquid shown in cylinders 2a and 2c? Write your answer in milliliters.

\_\_\_\_\_ mL
- d. If 35 mL of liquid is added to the volume in cylinder 2e, what will the new volume be?

\_\_\_\_\_ mL