

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

**ACTIVITY # 1.2 Measuring Instruments**

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

Directions: Provide the correct reading of the following laboratory instruments

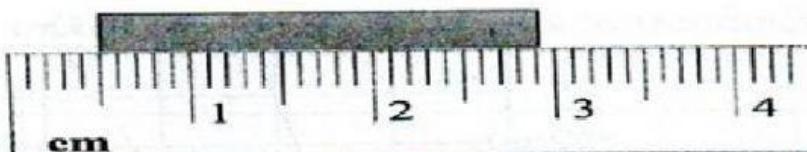
1. Jake uses a plastic ruler to measure the length of the pencil, as shown in the diagram below.



What is the initial reading? \_\_\_\_\_ What is the final reading? \_\_\_\_\_

What is the length of the pencil? \_\_\_\_\_

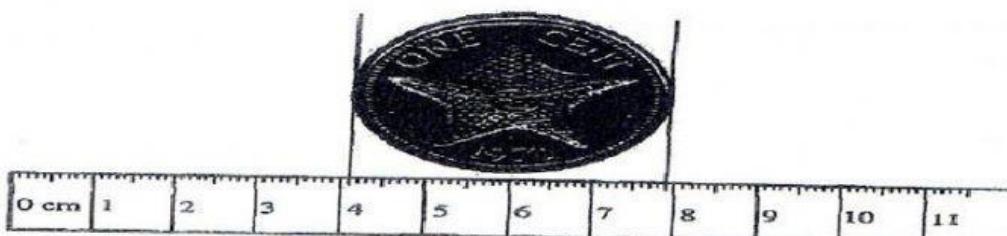
2. A ruler is used to measure the length of a rectangular block.



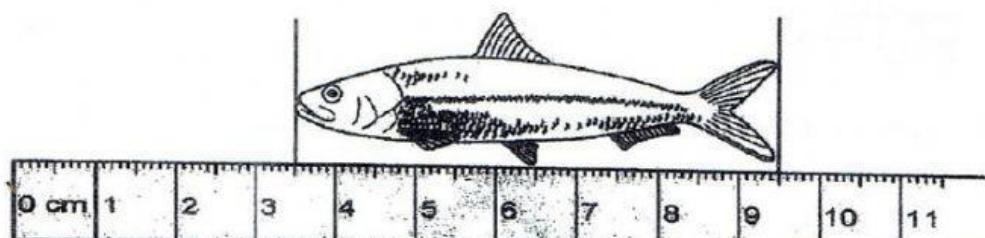
What is the initial reading? \_\_\_\_\_ What is the final reading? \_\_\_\_\_

What is the length of the block? \_\_\_\_\_

3. What is the initial reading? \_\_\_\_\_ What is the final reading? \_\_\_\_\_  
What is the width of the coin? \_\_\_\_\_

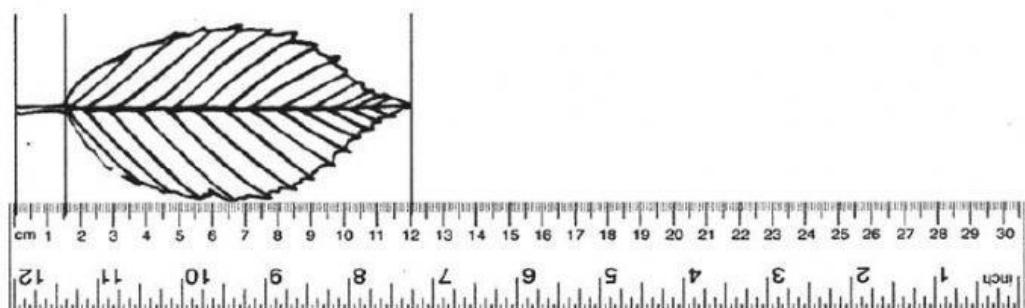


4. What is the initial reading? \_\_\_\_\_ What is the final reading? \_\_\_\_\_



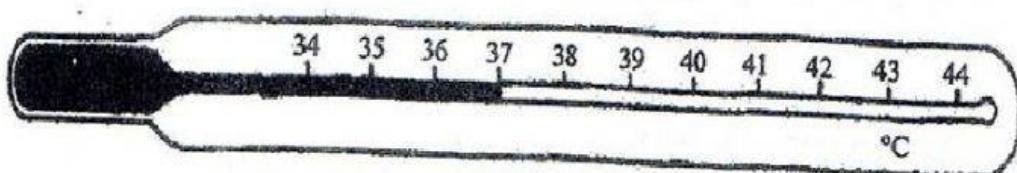
How long is the fish? \_\_\_\_\_

5. Judy is measuring the length of a leaf for an investigation.



What is the length of the blade of the leaf? \_\_\_\_\_

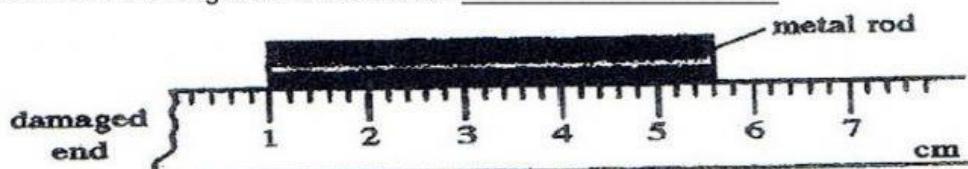
6. The reading on the thermometer shows the temperature of the patient.



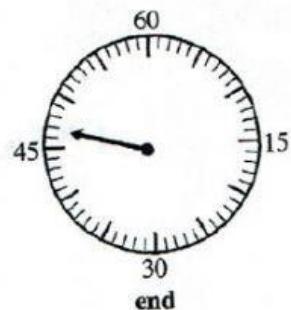
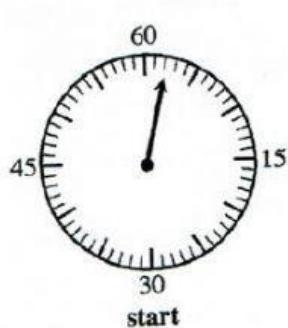
After an hour, the temperature is  $40.8^{\circ}\text{C}$ .

What is the difference in the patient's temperature? \_\_\_\_\_

7. What is the length of the metal rod? \_\_\_\_\_



8. A track coach uses a stopwatch to time an athlete in a 300m training race. However, the watch was not set to zero at the beginning of the race.



How long did the athlete take to run the 300m? \_\_\_\_\_

9. An athlete runs the 400m race. Calculate the difference in the readings of the stop watch.



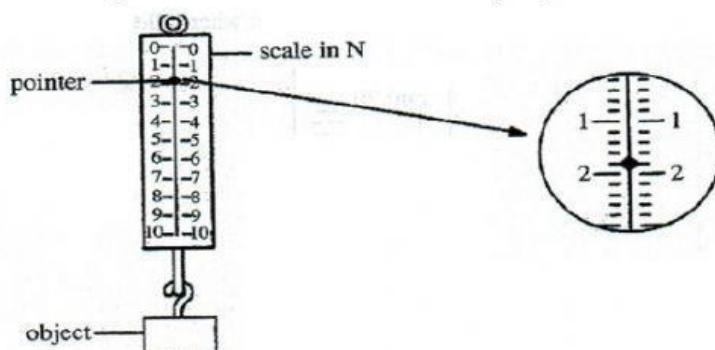
First Reading



Second Reading

How long did the athlete take to run the 400m race? \_\_\_\_\_

10. The diagram shows the force meter or spring balance.



What is the reading shown? \_\_\_\_\_

11. What is the correct reading of the volume of the liquid in the cylinder?

\_\_\_\_\_

