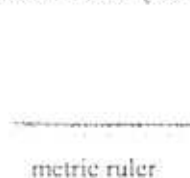


## Measurement Study Guide

Choose **temperature, length, mass, or volume** for the questions below.

1. \_\_\_\_\_ measures the amount of matter in an object.
2. \_\_\_\_\_ measures the amount of space in an object.
3. \_\_\_\_\_ measures how hot or cold something is.
4. \_\_\_\_\_ measures the distance between two points.
5. \_\_\_\_\_ is measured with a graduated cylinder (see pictures below.)
6. \_\_\_\_\_ is measured with a balance scale (see pictures below.)
7. \_\_\_\_\_ is measured with a thermometer (see pictures below.)
8. \_\_\_\_\_ is measured with a metric ruler (see pictures below.)



9. \_\_\_\_\_ unit for measuring it is ° Celsius.
10. \_\_\_\_\_ unit for measuring it is meters.
11. \_\_\_\_\_ unit for measuring it is grams.
12. \_\_\_\_\_ unit for measuring it is liters or  $\text{cm}^3$ .

Would you use **milliliters or liters** to measure following volumes.

13. \_\_\_\_\_ a can of soda
14. \_\_\_\_\_ a bathtub full of water
15. \_\_\_\_\_ an aquarium
16. \_\_\_\_\_ medicine for a baby
17. \_\_\_\_\_ a pool
18. \_\_\_\_\_ a marble

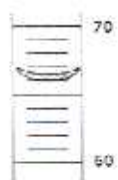
Would you use **grams or kilograms** to measure the following masses.

19. \_\_\_\_\_ a paper clip
20. \_\_\_\_\_ your mass
21. \_\_\_\_\_ hamburger
22. \_\_\_\_\_ a pencil
23. \_\_\_\_\_ a cow
24. \_\_\_\_\_ a glue stick

Would you use **millimeters, centimeters, meters, or kilometers** to measure the following lengths.

25. \_\_\_\_\_ here to Richmond
26. \_\_\_\_\_ a thumbtack point
27. \_\_\_\_\_ a cow (head to rear)
28. \_\_\_\_\_ a pencil
29. \_\_\_\_\_ a glue stick
30. \_\_\_\_\_ across the classroom

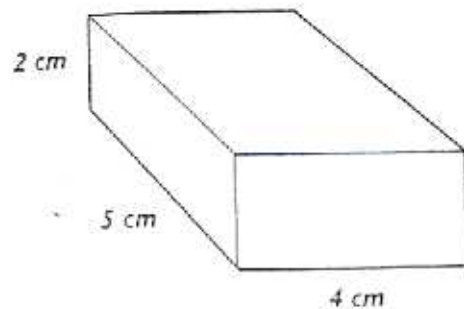
Read the following graduated cylinders and mark their readings on the line. Remember to read from the meniscus.



31. \_\_\_\_\_
32. \_\_\_\_\_
33. \_\_\_\_\_
34. \_\_\_\_\_

35. If you added a rock to cylinder 33 and the water level rose to 70 mL, what does that tell you about the volume of the rock? \_\_\_\_\_

36. What is the volume of the figure below? \_\_\_\_\_



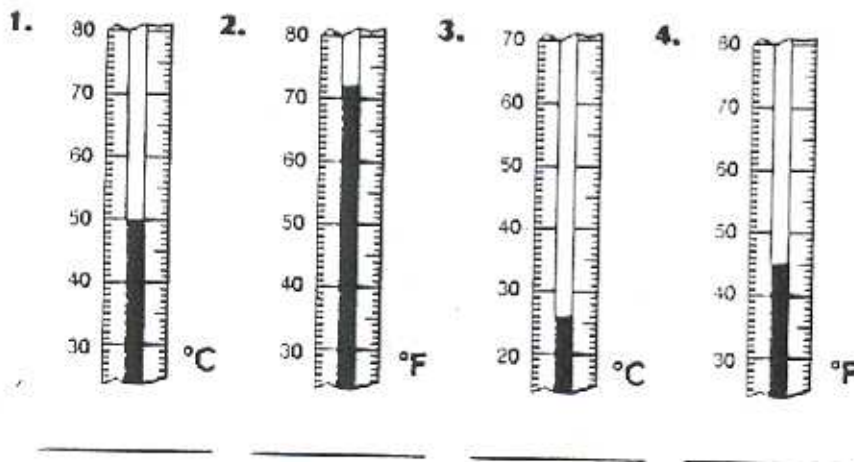
$V =$

Fill in the blank with the correct answers.

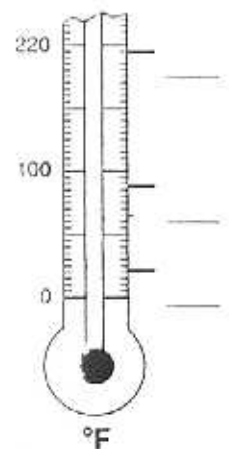
	Fahrenheit	Celsius
Temperature at which water boils	_____	_____
Temperature at which water freezes	_____	_____
Healthy temperature of the human body	_____	_____

What is the symbol used to indicate *degrees*? \_\_\_\_\_

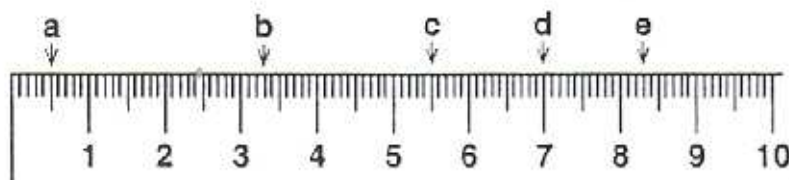
Read each of the thermometers. Write the temperature on the blank.



5. A. the temperature at which water boils  
 B. the temperature at which water freezes  
 C. the temperature where water feels lukewarm



What lengths are marked on the following centimeter ruler?



	cm	mm
a.	_____	_____
b.	_____	_____
c.	_____	_____
d.	_____	_____
e.	_____	_____