

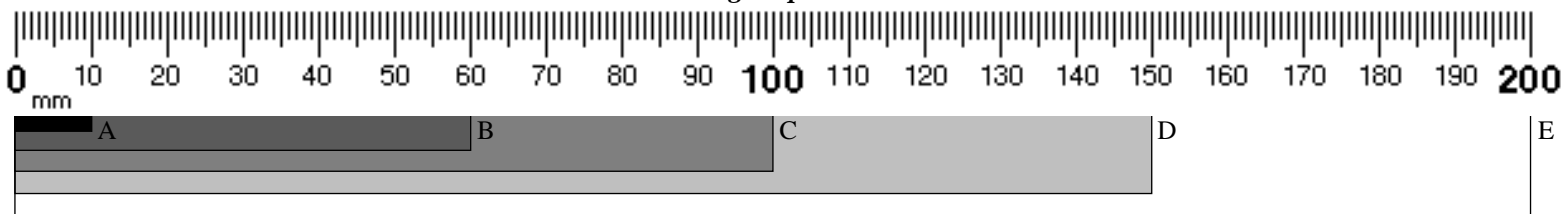
Activity 2.2a

Metric Measurement

Name: _____

Date: _____ Per: _____

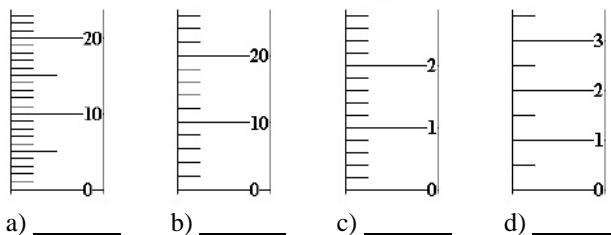
DIRECTIONS: Answer 1-23 based on the measuring strip below.



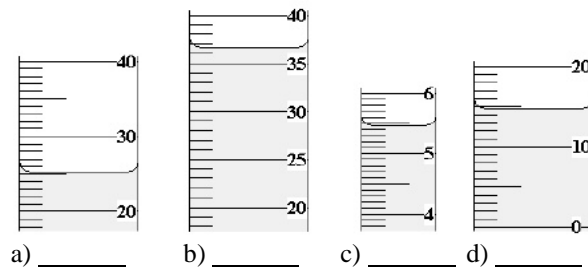
1. What are the smallest graduations on this measuring strip? _____.
2. What is another name for span A? _____.
3. What is another name for span C? _____.
4. How many mm are present in span A? _____.
5. How many cm are present in span A? _____.
6. How many dm are present in span A? _____.
7. How many m are present in span A? _____.
8. How many m are present in span E? _____.
9. How many m are present in span C? _____.
10. How many cm are present in span D? _____.
11. How many dm are present in span D? _____.
12. How many cm are present in span B? _____.
13. How many dm are present in span C? _____.
14. How many dm are present in span B? _____.
15. How many mm are present in span D? _____.
16. How many cm are present in span C? _____.
17. How many mm are present in span E? _____.
18. How many mm are present in span B? _____.
19. How many mm are present in span C? _____.
20. How many cm are present in span E? _____.
21. How many m are present in span D? _____.
22. How many m are present in span B? _____.
23. How many dm are present in span E? _____.

DIRECTIONS: Answer 24-26 using the diagrams at right.

24. Assuming the graduated cylinders at right measure in mL, note the smallest graduation size for each cylinder.



25. How should the volume in each of these graduated cylinder be reported? (Remember that when using a scaled instrument, the final digit should be estimated from the gap between the two smallest graduations on either side of the material.)



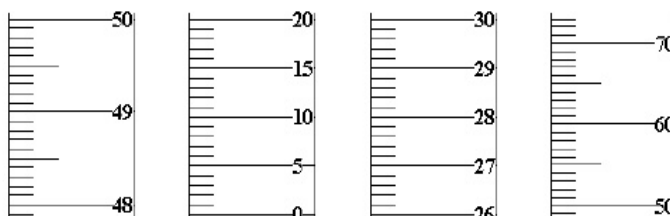
Activity 2.2a

Metric Measurement

Name: _____

Date: _____ Per: _____

26. Draw a meniscus on each graduated cylinder showing the volume given below it.



a) 49.21 mL b) 18.2 mL c) 27.65 mL d) 63.8 mL

27. Complete the following table using the meter stick and ruler provided.

Item to measure	m	dm	cm	mm
Height of the lab bench from the ground				
Diameter of the opening in the gas jet				
Your height				

28. Complete the following table using the graduated cylinders in your lab drawer.

Item to measure	L	dL	cL	mL
Volume of the evaporating dish				
Volume of 20 drops of water from the pipet				
Volume of the 250 mL flask filled to the brim.				

29. Complete the following table using the electronic balance.

Item to measure	kg	g	cg	mg
Mass of the chemical scoop				
Mass of the ruler				
Mass of the test tube rack				

30. Write a procedure for determining the density of a person. _____
