Name	

LENGTH:

- 1. What is the basic unit for length?
- 2. Circle the best unit for measuring each distance:
 - a. Thickness of an eyelash:

mm

cm

 \mathbf{m}

b. Length of a pencil: cm

 \mathbf{m}

km

- 3. Use a meter stick or metric ruler to find each measurement.
 - a. Width of this page ____ mm or ___ cm

- b. Length of an unsharpened pencil _____cm
- 4. Convert the following measurements:

a.
$$34 \text{ mm} = \underline{\hspace{1cm}} \text{cm}$$

b. $3 \text{ km} = ___ \text{m}$

c. $234 \text{ cm} = ___ \text{m}$

d. 35 m = mm

MASS:

- 5. What is the basic unit for mass?
- 6. Circle the best unit for measuring each mass:
 - a. Amount of spices in a batch of cookies: mg
- kg

- b. Your mass: mg
 - g
- c. Mass of 10 pennies: mg
- kg
- 7. Use a triple-beam balance to find each measurement.
 - a. Mass of an ink pen _____ g
- b. Mass of a can of soda _____ g

8. Convert the following measurements:

a.
$$16 \text{ mg} = ____g$$

b.
$$4.7 \text{ kg} = ___g$$

900

c.
$$12,345 g = ___k kg$$

d.
$$2 g = ___m mg$$

TEMPERATURE:

- 15. What is the basic unit for temperature?
- 16. What are the freezing and boiling points for water on this scale?
- 17. Circle the best choice:
 - a. Temperature on a hot summer's day:
- 0 0 35 O
- b. Room temperature: 20 °
- 20 o
- 18. Convert the following measurements.

a.
$$90^{\circ} F = _{\circ} C$$

b.
$$45^{\circ} F = _{\circ} C$$

VOLUME: 19. What is the basic unit for volume	⇒ ?	
20. Circle the best unit for measuringa. Amount of soda in 1 can:b. Water in a bathtub: mL	mL L	
21. Determine the volume for each of	-	•
	volume of a chalkboard eraser	cm ³
b. Use water displacement to	find the volume of four marbles ml or	cm3
-	mi or	, oni-
22. Convert the following measurem		
a. $160 \text{ mL} = \text{L}$	b. 23 kL =	
c. $456 \text{ cL} = \underline{\qquad} \text{mL}$	c. 120 mL =	=cm ³
TIME: 23. What is the basic unit for measu	ring time?	•
24. How many seconds are in:	•	
a. 1 minute?	b. 6 hours?	c. 2 days?
DENSITY: 28. Would the objects with the followater?	wing densities float, sink, or remain s	suspended in tap
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DENSITY: 28. Would the objects with the followater? a. 0.85 g/mL c. 1.4 g/mL	b. 1.0 g/mL d. 0.92 g/m	L
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