

Notes: Metric Measuring, Part 1

Metric Base units: Name the (basic) metric units for each of the following...

1. Volume (size) : Liter
2. Mass (amount of matter in something): kilogram
3. Weight (how heavy something is; a measure of gravitational attraction) : Newton
4. Length : meter

Metric Estimation: Provide the correct metric unit for each of the following.

Answer Choices:

mm (millimeter), ~~cm (centimeter)~~, ~~L (liter)~~, ~~mL (milliliter)~~, N (Newton), ~~kg (kilogram)~~, ~~g (gram)~~, ~~m (meter)~~, km (kilometer)

5. The width of a pinky fingernail = 1 cm
6. The length of a long step = 1 m
7. The mass of a standard Nalgene bottle full of water = 1 kg
8. The mass of a paper clip = 1 g
9. The volume of a chocolate chip = 1 mL - mL
10. The volume of a standard Nalgene water bottle = 1 L
11. The thickness of a dime = 1 mm
12. The weight of an uncooked burger patty = 1 N
13. Half of a mile is a little bit less than 1 km       $1 \text{ km} \approx 0.6 \text{ mile}$

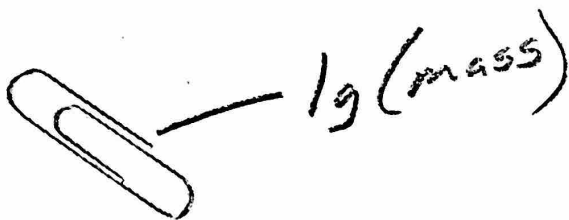
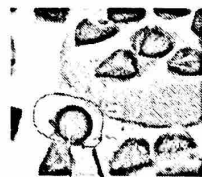
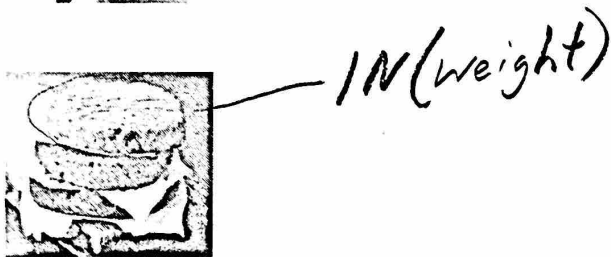
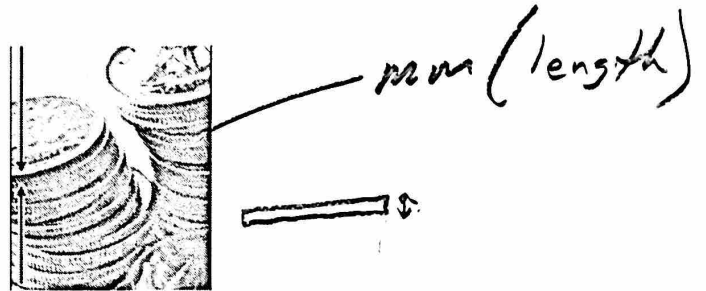
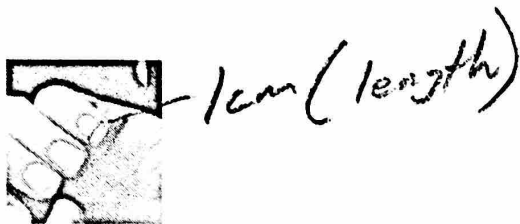
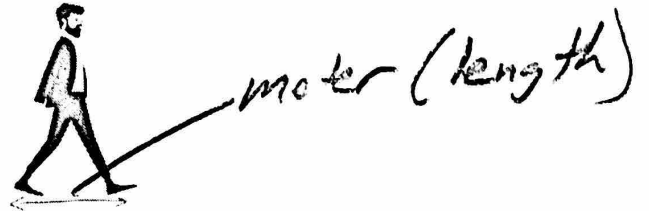
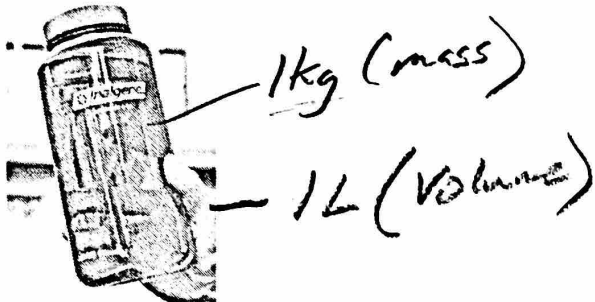
Metric Ratios: Enter numbers that give the correct ratios

14. 1 m = 100 cm
15. 1000 mm = 100 cm = 1 m
16. 1000 m = 1 km

kilo = 1000  
centi =  $\frac{1}{100}$   
milli =  $\frac{1}{1000}$

Practice: Metric Measuring, Part 1

Each of the items below is approximately equal to 1 metric unit. Write the name of the unit and what that unit measures. For some items, there is more than one answer.



1 cm across  
1 gram

Measuring in cm and mm:

1. Measure the line on the right and record the length in cm and mm.

Length = 9.5 cm = 95 mm

2. Measure the line below, and record the length in cm and mm.

Length = 15.9 cm = 159 mm