Working with SI (metric) Units

For each of the following commonly used measurements, indicate its symbol. Use the symbols to complete the following sentences with the most appropriate unit.

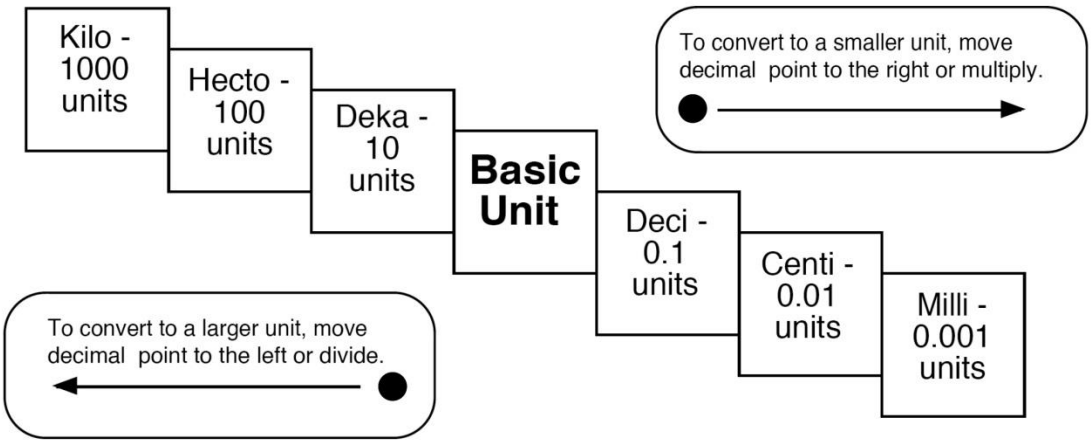
_____ liter	_____ centimeter	_____ gram	_____ milligram
_____ milliliter	_____ kilometer	_____ kilogram	_____ second
_____ meter	_____ millimeter	_____ centigram	_____ millisecond

1. The mass of a bowling ball is 7.25 _____.
2. The lung capacity of an average man is about 4.8 _____.
3. The length of a housefly is about 1 _____.
4. The average length of time it takes to blink is about 2 _____.
5. One teaspoon of cough syrup has a volume of 5 _____.
6. The length of a human's small intestine is about 6.25 _____.
7. The mass of a paperclip is about 1 _____.
8. When resting, the average adult's heart beats once every 1.2 _____.
9. The mass of a flea is about 0.5 _____.
10. The distance between San Antonio and Dallas is approximately 440 _____.

Write the abbreviation for the following common metric prefixes:

1. Kilo _____
2. Hecto _____
3. Deca/Deka _____
4. Meter _____
5. Gram _____
6. Liter _____
7. Deci _____
8. Centi _____
9. Milli _____

Metric Conversion Chart



Dimensional Analysis

Convert the following

1. 35 daL = _____dL
2. 950 g = _____ kg
3. 275 mm = _____cm
4. 1,000 L = _____ kL
5. 1,000 mL _____ L
6. 0.17 cm = _____ hm
7. 2.65 km = _____ dm
8. 1.0 km = _____ mm
9. 18 dag = _____ cg
10. 4,500 mg _____ g
11. 25 cm = _____ mm
12. 0.005 kg = _____ dag
13. 0.075 m = _____ cm
14. 15 g = _____ mg
15. 0.987 kL = _____ hL
16. 1.281 mm = _____m
17. 12.07 hg = _____ dag
18. 1625.0 cm = _____ m
19. 3017.36 mg = _____ dg
20. 71.18 L = _____ cL