

**METRIC PREFIXES AND CONVERSION FACTORS TO ENGLISH SYSTEM**  
(THESE WILL BE MEMORIZED)

ENGLISH-ENGLISH CONVERSION FACTORS

| LENGTH           | MASS              | VOLUME              |
|------------------|-------------------|---------------------|
| 1 ft. = 12 in.   | 1 lb. = 16 oz.    | 1 gal. = 4 qts.     |
| 1 yd. = 3 ft.    | 1 ton = 2000 lbs. | 1 gal. = 128 fl.oz. |
| 1 mi. = 5280 ft. |                   | 1 qt. = 2 pts.      |

METRIC-ENGLISH CONVERSION FACTORS

| LENGTH                           | MASS                    | VOLUME                             |
|----------------------------------|-------------------------|------------------------------------|
| 1 in. = 2.54 cm.                 | 1 lb. = 454 g.          | 1 L. = 1.06 qts.                   |
| 1 m. = 39.36 in.                 | 1 Kg. = 2.2 lbs.        | 1 ml. = 1 cc. = 1cm <sup>3</sup> . |
| 1 mi. = 1.61 km.                 | 1 metric ton = 1000 kg. |                                    |
| 1 cm. = 100,000,000 Angstroms(Å) |                         |                                    |

Metric Prefixes  
(each higher prefix is larger by a factor of 10)

