# METHODS OF SAMPLING AND TESTING <br> MT 604-04 <br> CONVERSION TABLES 



Weight Measurements

| 1 oz. | $=$ |  |  |
| :--- | :--- | :--- | :--- |
| 1 lb. | $=$ | 0.35 grams | 0.454 kilograms |
| 1 oz. | $=$ | 0.0625 grams lbs. |  |
| 1 lb. | $=16 \mathrm{oz}$. |  |  |
| 1 kilogram | $=2.2 \mathrm{lb}$. |  |  |


| Length Measurements |  |  |  |  | Area |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 in . | = | 0.0833 ft . | = | 2.54 cm . | Circle |  | 3.1416 * $\mathrm{R}^{2}$ |
| 1 yd . | = | 3 ft . | = | 36 in. | 1 sq. mile | = | 640 acres |
| 1 rod | = | 16.5 ft . | = | 198 in. | 1 acre | = | 43560 sq. ft. |
| 1 chain | = | 66 ft . | = | 792 in. | $1 \mathrm{sq} . \mathrm{yd}$. | = | 9 sq . ft. |
| 1 mile | = | 5280 ft . | = | 1760 yd . | $1 \mathrm{sq} . \mathrm{yd}$. | = | 1296 sq. in. |
| 1 cm | = | 0.032808 ft . | = | 0.3937 in. | 1 sq . ft. | = | 144 sq. in. |

## Estimated Equivalents

1 cu. ft. concrete
1 cu . ft. clay, undisturbed
$=150 \mathrm{lbs}$.
1 cu . ft. sand
$=110 \mathrm{lbs}$. dry; 135 lbs . wet
1 cu. yd. compacted clay $=3500 \mathrm{lbs}$. (wet weight)
1 cu.yd. compacted stabilized gravel $=3800 \mathrm{lbs}$.
cu. yds. * 1.9 = tons compacted stabilized gravel
1 mile * 1 ft . * 1 in . compacted stabilized gravel = 30.8 tons

## Miscellaneous

## Multiply

ft. per second
miles per hour
pounds of water per min.
$\mathrm{cu} . \mathrm{ft}$. per min.

## by

0.68182

88
0.016021
0.12468

## To obtain

miles per hour feet per min. cu. ft. per min. gal. per second

