

## METRIC MEASURES

### LINEAR MEASURE

10 millimeters	.....1 centimeter
10 centimeters	.....1 decimeter
10 decimeters	.....1 meter
10 meters	.....1 dekameter
10 dekameters	.....1 hectometer
10 hectometers	.....1 kilometer

### SQUARE MEASURE

100 sq. millimeters	.....1 sq. centimeter
100 sq. centimeters	.....1 sq. decimeter
100 sq. deicimeters	.....1 sq. meter
100 sq. meters	.....1 sq. dekameter
100 sq. dekameters	.....1 sq. hectometer
100 sq. hectometers	.....1 sq. kilometer

### LIQUID MEASURE

10 milliliters	.....1 centiliter
10 centiliters	.....1 deciliter
10 deciliters	.....1 liter
10 liters	.....1 dekaliter
10 dekaliters	.....1 hectoliter
10 hectoliters	.....1 kiloliter

### WEIGHTS

10 milligrams	.....1 centigram
10 centigrams	.....1 decigram
10 decigrams	.....1 gram
10 grams	.....1 dekagram
10 dekagrams	.....1 hectogram
10 hectograms	.....1 kilogram
100 kilograms	.....1 quintal
10 quintals	.....1 ton

### CUBIC MEASURE

1,000 cu. millimeters	....1 cu. centimeter
1,000 cu. centimeters	....1 cu. decimeter
1,000 cu. decimeters	....1 cu. meter

## METRIC EQUIVALENTS

### SQUARE MEASURE

1 sq. centimeter	.....0.1550 squarc incl1
1 square inch	.....6.452 sq. centimeters
1 sq. decimeter	.....0.1076 square foot.
1 square foot	.....9.2903 sq. decimeters
1 square meter	.....1,196 square yards
1 square yard	.....0.8361 square meter
1 acre	.....3,954 square rods
1 square rod	.....0.2529 acre
1 hectare	.....2.47 acres
1 acre	.....0.4047 hectare
1 sq. kilometer	.....0.386 square mile
1 square mile	.....2.59 sq. kilometers

## METRIC EQUIVALENTS (continued)

### WEIGHTS

1 gram	.....0.03527 ounce
1 ounce	.....28.35 grams
1 kilogram	.....2.2046 pounds
1 pound	.....0.4536 kilogram
1 metric ton	.....1.1023 English tons
1 English ton	.....0.9027 metric ton

### APPROXIMATE EQUIVALENTS

1 decimeter	.....4 inches
1 liter	.....1.06 qts. fl., 0.9 qt. dry
1 meter	.....1.1 yards
1 kilometer	.....5/8 of a mile
1 hectoliter	.....2-5/8 bushels
1 hectare	.....2-1/2 acres
1 kilogram	.....2-1/5 pounds
1 cubic meter	.....1/4 of a cord
1 metric ton	.....1.1 English tons

### LINEAR MEASURE

1 centimeter	.....0.3937 inch
1 inch	.....2.54 centimeters
1 decimeter	.....3.937 inches
1 foot	.....3.048 decimeters
1 meter	.....39.37 inches
1 yard	.....0.9144 meter
1 dekameter	..... 1.9884 rods
1 rod	.....0.5029 dekameter
1 kilometer	.....0.62137 mile
1 mile	.....1.6093 kilometers

### MEASURE OF VOLUME

1 cu. centimeter	.....0.061 cubic inch
1 cubic inch	.....16.39 cu. centimeters
1 cubic decimeter	.....0.0353 cubic foot
1 cubic foot	.....28.347 cu. decimeters
1 cubic meter	.....1.308 cubic yards
1 cubic yard	.....0.7646 cubic meter
1 stere	.....0.2759 cord
1 cord	.....3.624 steres
1 liter	.....0.908 quart dry
1 liter	.....1.0567 quarts liquid
1 quart dry	.....1.101 liters
1 quart liquid	.....0.9463 liter
1 dekaliter	.....2.6417 gallons
1 gallon	.....0.3785 dekaliter
1 peck	..... 0.881 dekaliter
1 hectoliter	.....2.8375 bushels
1 bushel	.....0.3524 hectoliter

### Temperature Conversion

$$C = \frac{5}{9} (F-32) \quad F = \frac{9}{5} C+32$$

