

APPENDIX A

MEASURES AND EQUIVALENTS

Linear Measure

<u>Inches</u>	<u>Feet</u>	<u>Yards</u>	<u>Rods</u>	<u>Miles</u>	<u>Meters</u>
1	0.0833	0.0278	0.00505	0.000158	.0254
12	1	0.3333	0.06061	0.0001894	.3281
36	3	1	0.18182	0.0005682	.9144
198	16.5	5.5	1	0.0031250	5.029
63,360	5,280	1,760	320	1	1,609.34

1 kilometer (km) = 1,000 meters (m) = 10,000 decimeters (dm) = 100,000 centimeters (cm) = 1,000,000 millimeters (mm)
 1 kilometer = 3,280.83 feet = 0.621369 miles
 1 meter = 39.37 inches = 3.28083 feet

Square Measure

<u>Square Inches</u>	<u>Square Feet</u>	<u>Square Yards</u>	<u>Square Rods</u>	<u>Acres</u>	<u>Square Miles</u>
1	0.00694	0.00077			
144	1	0.11111			
1,296	9	1	0.03306	0.0002066	
39,204	272.25	30.25	1	0.0062500	0.00000977
	43,560	4,840	160	1	0.00156250
				640	1

Cubic Measure

<u>Cubic Inches</u>	<u>Gallons</u>	<u>Cubic Feet</u>	<u>Cubic Yards</u>
1	0.004329	0.0005787	0.000021433
231	1	0.1336806	0.004951132
1,728	7.480519	1	0.037037037
46,656	201.974026	27	1

Weight (dry)

16 ounces (oz.) = 1 pound
2,000 lbs = 1 ton (T)
0.03527 oz. = 1 gram (g.)
28.35 g = 1 oz.
1,000 g = 1 kilogram

Weight (liquid)

1 gallon = 231 cubic inches
1 gallon = 8.3453 pounds of water at 39.2°F
1 cubic foot of water = 62.4 pounds
1 quart = 0.946 liters
1 liter = 1,000 cubic centimeters
1 cc of water weighs 1 gram

Cement Constants

1 sack cement = 94 pounds
1 sack cement = 1.0 cubic foot (approx.)
4 sacks cement = 1 barrel
1 barrel cement = 376 pounds
1 barrel cement = 4.0 cubic feet (approx.)
Specific gravity = 3.15