

# Weights & Measures

## United States System

### Linear Measure

Inches		Feet		Yards		Rods		Furlongs		Miles
1.0	=	.0833	=	.02778	=	.0050505	=	.00012626	=	.00001578
12.0	=	1.0	=	.33333	=	.0606061	=	.00151515	=	.00018939
36.0	=	3.0	=	1.0	=	.1818182	=	.00454545	=	.00056818
198.0	=	16.5	=	5.5	=	1.0	=	.025	=	.003125
7920.0	=	660.0	=	220.0	=	40.0	=	1.0	=	.125
63360.0	=	5280.0	=	1760.0	=	320.0	=	8.0	=	1.0

### Dry Measure

Pint		Quart		Pecks		Cubic Feet		Bushels
1.0	=	.5	=	.0625	=	.01944	=	.01563
2.0	=	1.0	=	.125	=	.03889	=	.03125
16.0	=	8.0	=	1.0	=	.31112	=	.25
51.42627	=	25.71314	=	3.21414	=	1.0	=	.80354
64.0	=	32.0	=	4.0	=	1.2445	=	1.0

### Square & Land Measure

Sq. In.		Sq. Feet		Sq. Yards		Sq. Rods		Acres		Sq. Miles
1.0	=	.006944	=	.000772	=	—	=	—	=	—
144.0	=	1.0	=	.111111	=	—	=	—	=	—
1296.0	=	9.0	=	1.0	=	03306	=	000207	=	—
39204.2	=	272.25	=	30.25	=	1.0	=	.00625	=	0000098
—	=	43560.0	=	4840.0	=	160.0	=	1.0	=	.0015625
—	=	—	=	3097600.0	=	102399.6	=	640.0	=	1.0

### Avoirdupois Weights

Grains		Drams		Ounces		Pounds		Tons
1.0	=	.03657	=	.002286	=	.000143	=	.0000000714
27.34375	=	1.0	=	.0625	=	.003906	=	.00000195
437.5	=	16.0	=	1.0	=	.0625	=	.00003125
7000.0	=	256.0	=	16.0	=	1.0	=	.0005
14000000.0	=	512000.0	=	32000.0	=	2000.0	=	1.0

### Liquid Measure

Gills		Pints		Quarts		U.S. Gallons		Cubic Feet
1.0	=	.25	=	.125	=	03125	=	.00418
4.0	=	1.0	=	.5	=	.125	=	.01671
8.0	=	2.0	=	1.0	=	.250	=	.03342
32.0	=	8.0	=	4.0	=	1.0	=	.1337
—	=	—	=	—	=	7.48052	=	1.0

### Fractional Inches & Ft. Converted To Decimal Ft.

1" = 1/12 ft = 0.0833 ft	5" = 5/12 ft = 0.417 ft	9" = 3/4 ft = 0.75 ft
1-1/2" = 1/8 ft = 0.125 ft	5-1/2" = 11/24 ft = 0.458 ft	9-1/2" = 19/24 ft = 0.792 ft
2" = 1/6 ft = 0.1667 ft	6" = 1/2 ft = 0.5 ft	10" = 5/6 ft = 0.833 ft
2-1/2" = 5/24 ft = 0.2083 ft	6-1/2" = 13/24 ft = 0.5417 ft	10-1/2" = 7/8 ft = 0.875 ft
3" = 1/4 ft = 0.25 ft.	7" = 7/12 ft = 0.583 ft	11" = 11/12 ft = 0.917 ft
3-1/2" = 7/24 ft = 0.2917 ft	7-1/2" = 5/8 ft = 0.625 ft	11-1/2" = 23/24 ft = 0.958 ft
4" = 1/3 ft = 0.333 ft	8" = 2/3 ft = 0.667 ft	12" = 1 ft = 1.0 ft
4-1/2" = 3/8 ft = 0.375 ft	8-1/2" = 17/24 ft = 0.708 ft	