

**DECIMAL EQUIVALENTS OF FRACTIONS**

1/16	.0156	5/16	.3125
1/8	.0312	3/8	.3750
3/16	.0468	1/2	.5000
1/4	.0625	5/8	.6250
5/16	.0781	3/4	.7500
3/8	.0937	7/8	.8750
7/16	.1093	1	1.0000
1/2	.1250		
5/8	.1406		
3/4	.1562		
7/8	.1718		
1	.1875		
	.2031		
	.2187		
	.2343		
	.2500		
	.2656		
	.2812		
	.2968		
	.3125		
	.3281		
	.3437		
	.3593		
	.3750		
	.3906		
	.4062		
	.4218		
	.4375		
	.4531		
	.4687		
	.4843		
	.5000		

**CONVERSION FACTORS**

(°C X 9/5) + 32 = °F  
 (°F - 32) X 5/9 = °C  
 Liter X 1.05671 = U. S. Quarts  
 Quarts X .946333 = liters  
 Liters X 61.025 = cu. in.  
 Gallons X 231 = cu. in.  
 Kilograms X 2.2046 = lbs.  
 Lbs. X 453.59 = grams  
 Ounces (avdp) X 28.35 = grams  
 Kilowatts X 1.341 = horsepower  
 Horsepower X 746 = watts  
 1 atmosphere = 33.899 ft. of water  
 at 39.1°F  
 1 atmosphere = 760 mm of mercury  
 1 atmosphere = 14.7 lbs. per sq. in.  
 1 cu. ft. water = 62.37 lbs. @ 60°F  
 1 cu. in. water = 0.036 lbs. @ 60°F  
 Cu. meters X 35.314 = cu. ft.  
 Cu. ft. X 0.02832 = cu. meters  
 Centistokes X density =  
 Pounds/gal. at 20°C = Specific gravity  
 at 20/20°C X 8.3216  
 1 cm = 0.3937 in.  
 1 in = 2.540 cm

**FRACTION/DECIMAL**

Conversion Table For One Foot

Inch	0	1"	2"	3"	4"	5"
0	0	.0833	.1667	.2500	.3333	.4167
1/16	.0052	.0885	.1719	.2552	.3385	.4219
1/8	.0104	.0938	.1771	.2604	.3438	.4271
3/16	.0156	.0990	.1823	.2656	.3490	.4323
1/4	.0208	.1042	.1875	.2708	.3542	.4375
5/16	.0260	.1094	.1927	.2760	.3594	.4427
3/8	.0313	.1146	.1979	.2812	.3646	.4479
7/16	.0365	.1198	.2031	.2865	.3698	.4531
1/2	.0417	.1250	.2083	.2917	.3750	.4583
9/16	.0469	.1302	.2135	.2969	.3802	.4635
5/8	.0521	.1354	.2188	.3021	.3854	.4688
11/16	.0573	.1406	.2240	.3073	.3906	.4740
3/4	.0625	.1458	.2292	.3125	.3958	.4792
13/16	.0677	.1510	.2344	.3177	.4010	.4844
7/8	.0729	.1563	.2396	.3229	.4063	.4896
15/16	.0781	.1615	.2448	.3281	.4115	.4948

  

Inch	6"	7"	8"	9"	10"	11"
0	.5000	.5885	.6667	.7500	.8385	.9167
1/16	.5052	.5885	.6719	.7552	.8385	.9219
1/8	.5104	.5938	.6771	.7604	.8438	.9271
3/16	.5156	.5990	.6823	.7656	.8490	.9323
1/4	.5208	.6042	.6927	.7708	.8542	.9375
	.5260	.6094	.6927	.7760	.8594	.9427
3/8	.5313	.6146	.7031	.7865	.8698	.9531
7/16	.5365	.6198	.7031	.7865	.8698	.9531
1/2	.5417	.6250	.7083	.7917	.8750	.9583
9/16	.5469	.6302	.7135	.7969	.8802	.9635
5/8	.5521	.6354	.7188	.8021	.8854	.9688
11/16	.5573	.6406	.7240	.8073	.8906	.9740
3/4	.5625	.6458	.7292	.8125	.8958	.9792
13/16	.5677	.6510	.7344	.8177	.9010	.9844
7/8	.5729	.6563	.7396	.8229	.9063	.9896
15/16	.5781	.6615	.7448	.8281	.9115	.9948

**APPROXIMATE WEIGHT OF DRY MATERIALS**

	Per Cubic Yard	Per Cubic Foot
Sand	1700 Lbs.	100 lbs.
Gravel	Lbs.	110 Lbs.
Crushed Stone	2500	92 Lbs.
Slag	2000 Lbs.	74 Lbs.
Cinders	1300 Lbs.	48 Lbs.
Limestone	2900 Lbs.	107 Lbs.
Cement	2500 Lbs.	94 Lbs.
Concrete:		
Cinder	2300-3000 Lbs.	85-110 Lbs.
Gravel or Limestone	4050 Lbs.	150 Lbs.
Trap Rock	4200 Lbs.	155 Lbs.
Slag	3800 Lbs.	140 Lbs.

**Standards**

**Concrete reinforcing bars**

Bar sizes			Nominal dimensions—round sections		
Old ins.	New Nos.	Weight lbs. per foot	Diameter inches	Cross sectional area sq. inches	Perimeter inches
3/8	2	.167	.250	.05	.786
1/2	3	.376	.375	.11	1.178
5/8	4	.668	.500	.20	1.571
3/4	5	1.043	.625	.31	1.963
7/8	6	1.502	.750	.44	2.356
1	7	2.044	.875	.60	2.749
1 1/8	8	2.670	1.000	.79	3.142
1 1/4	9	3.400	1.128	1.00	3.544
1 3/8	10	4.303	1.270	1.27	3.990
1 1/2	11	5.313	1.410	1.56	4.430