

全國經濟委員會

# 水利工程設計手冊

水利處編

水利專刊第七種

民國二十五年七月

# 水利設計手冊

## 第一編 換算表

### 【1】換算率

Factors for conversion of units. To reduce A to B, multiply A by F. To reduce B to A, multiply B by G

Unit A	Factor F	Logarithm of F characteristics all positive	Logarithm characteristics all negative	Factor G	Unit B
<b>LENGTH:</b>					
Miles.....	63,360 *	4.80182	5.19818	.000015783	Inches
Miles.....	5,280 *	3.72263	4.27737	.00018939	Feet
Miles.....	1,609.35	3.20665	4.79335	.00052137	Meters
Miles.....	1.60935	0.20665	1.79335	.62137	Kilometers
Kilometers.....	3,280.83	3.51598	4.48402	.00030480	Feet
Meters.....	3.2808	0.51598	1.48402	.30480	Feet
Yards.....	36 *	1.55630	2.44370	.027778	Inches
Feet.....	12 *	1.07918	2.92082	.083333	Inches
Meters.....	39.370	1.59517	2.40483	.025400	Inches
Inches.....	2.5400	0.40483	1.59517	.39370	Centimeters
<b>SURFACE:</b>					
Square miles.....	27,878,400 *	7.44527	8.55473	.00000035870	Square feet
Square miles.....	640 *	2.80618	3.19382	.0015625 *	Acres
Square miles.....	259,000	2.41390	3.58610	.0038610	Hectares
Acres.....	43,560 *	4.63909	5.36091	.000022957	Square feet
Acres.....	4,046.9	3.60712	4.39288	.00024710	Square meters
Hectares.....	2.47104	0.39288	1.60712	.40469	Acres
Hectares.....	10,000 *	4.00000	4.00000	.0001 *	Square meters
Square feet.....	144 *	2.15836	3.84164	.0069444	Square inches
Square inches.....	6.4516	0.80917	1.19083	1.5500	Square centimeters
Square meters.....	10,764-	1.03197	2.96803	.092902	Square feet
<b>VOLUME:</b>					
Cubic feet.....	1.728 *	3.23754	4.76246	.00057870	Cubic inches
Cubic inches.....	16.387	1.21490	2.78510	.061024	Cubic centimeters
Cubic meters.....	35.3145	1.54795	2.45205	.028317	Cubic feet
Cubic meters.....	1.3079	0.11650	1.88341	.76456	Cubic yards
Cubic feet.....	7.4805	0.87393	1.12607	.13368	U. S. gallons

Factors for conversion of units. To reduce A to B, multiply A by F. To reduce B to A, multiply B by G

Unit A	Factor F	Logarithm of F characteristics all positive	Logarithm characteristics all negative	Factor G	Unit B
<b>VOLUME (continued)</b>					
Cubic feet.....	6.2321	0.79463	1.20537	.16046	Imperial gallons
Cubic feet.....	28.317	1.45205	2.54795	.035314	Liters
U. S. gallons.....	231 *	2.36361	3.63639	.0043290	Cubic inches
Imperial gallons.....	277.274	2.44291	3.55709	.0036065	Cubic inches
Liters.....	61.0234	1.78550	2.21450	.016387	Cubic inches
U. S. gallons.....	3.7854	0.57812	1.42188	.26417	Liters
Imperial gallons.....	1.2003	0.07030	1.92970	.83311	U. S. gallons
Imperial gallons.....	4.5437	0.65741	1.34259	.22009	Liters
U. S. bushels.....	1.2445	0.09498	1.90502	.80356	Cubic feet
Fluid ounces.....	1.8047	0.25640	1.74360	.55411	Cubic inches
Acres-foot.....	43,560 *	4.63909	5.36091	.000022957	Cubic feet
Acres-foot.....	1,013.3	3.20772	4.79228	.00001083	Cubic yards
Acres-foot.....	1,233.5	3.09114	4.90886	.00081071	Cubic meters
Acres-inches.....	3,630 *	3.55991	4.44009	.00027548	Cubic feet
Millions U. S. gallons.....	133,681	5.12607	6.87393	.000074805	Cubic feet
Millions U. S. gallons.....	3.0689	6.48698	1.51302	.32885	Acres-foot
Feet depth on 1 square mile.....	27,878,400 *	7.44527	8.55473	.00000035870	Cubic feet
Feet depth on 1 square mile.....	640 *	2.80618	3.19382	.0015625 *	Acres-foot
Inches depth on 1 square mile.....	2,323,200 *	6.36609	7.63391	.00000043044	Cubic feet
Inches depth on 1 square mile.....	53.333	1.72700	2.27300	.01875 *	Acres-foot
<b>FLOWING WATER:</b>					
Second-foot.....	60 *	1.77815	2.22185	.016667	Cubic feet per minute
Second-foot.....	86,400 *	4.93651	5.06349	.000011574	Cubic feet per 24 hours
Second-foot.....	448.83	2.65208	3.34792	.0022280	U. S. gallons per minute
Second-foot.....	646,317	5.81045	6.18955	.0000015472	U. S. gallons per 24 hours
Second-foot.....	1.9835†	0.29743	1.70257	.50417	Acres-foot per 24 hours

\* Exact values.

† Usually taken as 2.

第一編 換算表

Factors for conversion of units. To reduce A to B, multiply A by F. To reduce B to A, multiply B by G

Unit A	Factor F	Logarithm characteristics all positive	Logarithm characteristics all negative	Factor G	Unit B
<b>FLOWING WATER (continued)</b>					
Second-feet	723.98	2.85972	3.14028	.0013813	Acro-feet per 365 days
Second-feet	50 *	1.69897	2.30103	.02*	Miner's inches, Idaho
Second-feet	50 *	1.69897	2.30103	.02*	Miner's inches, Kansas
Second-feet	50 *	1.69897	2.30103	.02*	Miner's inches, Nebraska
Second-feet	50 *	1.69897	2.30103	.02*	Miner's inches, New Mexico
Second-feet	50 *	1.69897	2.30103	.02*	Miner's inches, N. Dakota
Second-feet	50 *	1.69897	2.30103	.02*	Miner's inches, S. Dakota
Second-feet	40 *	1.60206	2.39794	.025*	Miner's inches, Arizona
Second-feet	40 *	1.60206	2.39794	.025*	Miner's inches, California
Second-feet	40 *	1.60206	2.39794	.025*	Miner's inches, Montana
Second-feet	40 *	1.60206	2.39794	.025*	Miner's inches, Oregon
Second-feet	38.4*	1.58433	2.41567	.026042	Miner's inches, Colorado
Millions U. S. gallons per day	1.5472	0.18955	1.81045	.64632	Second-feet
Inches depth per hour	645.33	2.80978	3.19022	.0015496	Second-feet per square mile
Inches depth per day	26.889	1.42957	2.57043	.037190	Second-feet per square mile
Second-feet per square mile	1.0413	0.01758	1.98242	.96032	Inches depth per 28 days
Second-feet per square mile	1.0785	0.03283	1.96717	.92739	Inches depth per 29 days
Second-feet per square mile	1.1157	0.04755	1.95245	.89630	Inches depth per 30 days
Second-feet per square mile	1.1529	0.06179	1.93821	.86738	Inches depth per 31 days
Second-feet per square mile	13.374	1.13272	2.86728	.073685	Inches depth per 365 days
Second-feet per square mile	13.612	1.13281	1.86509	.073467	Inches depth per 366 days
Acres-inches per hour	-1.0683†	0.03280	1.96640	.91734	Second-feet
Cubic-feet per minute	7.4805	0.87393	1.12607	.13388	U. S. gallons per minute
Cubic-feet per minute	10.772	4.03229	5.96771	.00092834	U. S. gallons per 24 hours
U. S. gallons per minute	1.440 *	3.15836	4.84164	.0069444	U. S. gallons per 24 hours

\* Exact values. † Usually taken as unity.

Factors for conversion of units. To reduce A to B, multiply A by F. To reduce B to A, multiply B by G.

Unit A	Factor F	Logarithm characteristics all positive	Logarithm characteristics all negative	Factor G	Unit B
<b>VELOCITIES AND GRADES:</b>					
Miles per hour	1.4667	0.16633	1.83367	.68182	Feet per second
Meters per second	3.2808	0.51598	1.48402	.30480	Feet per second
Meters per second	2.2369	0.34965	1.65035	.44701	Miles per hour
Fall in feet per mile	5.280 *	3.72263	4.27737	.00018939	Slope per foot
Slope in seconds of arc	206,265.	5.31443	6.68557	.0000045481	Slope per foot
<b>PRESSURES (°C. = 32°F.):</b>					
Atmospheres (mean)	14.697	1.16723	2.83277	.068041	Pounds per square inch
Atmospheres (mean)	29.921	1.47595	2.52402	.034421	Inches of mercury
Atmospheres (mean)	760.	2.88081	5.11919	.0013158	Millimeters of mercury
Atmospheres (mean)	33.907	1.53030	2.46970	.025492	Feet of water
Atmospheres (mean)	1.0333	0.01422	1.98578	.96778	Kilograms per square centimeter
Inches of mercury	1.135	0.05500	1.94500	.88106	Feet of water
Pounds per square inch	2.0350	0.30875	1.69125	.49119	Inches of mercury
Pounds per square inch	51.711	1.71359	2.28641	.019358	Millimeters of mercury
Feet of water	62.416	1.79530	2.20470	.016922	Pounds per square foot
Pounds per square inch	2.3071	0.36307	1.63693	.43344	Feet of water
<b>WEIGHT:</b>					
Pounds	7,000 *	3.84510	4.15490	.00014286	Grains
Grams	15.432	1.18843	2.81157	.084799	Grains
Kilograms	2.2046	0.34333	1.65667	.45359	Pounds
Long tons (2240 pounds)	1.12*	0.04922	1.95078	.80286	Short tons
Long tons	1.0160	0.06091	1.93909	.98421	Metric tons (1000 kilograms)
<b>POWER:</b>					
Horsepower	550 *	2.74036	3.25964	.0015182	Foot-pounds per second
Kilowatts	1.3405	0.12726	1.87274	.746 *	Horsepower
Kilowatts	8.760*	3.94250	6.05750	.00014416	Kilowatt-hours per year
Horsepower	8.760*	3.94250	6.05750	.00014416	Horsepower-hours per year
Horsepower	11.743	4.06977	5.93023	.00052159	Kilowatt-hours per year

\* Exact values.

【2】尺 之 換 算

市尺	尺(營造尺)	通關尺	公尺	呎(英尺)	吋(英寸)	附註
1.0000	1.0417	0.9311	0.3333	1.0936	13.1234	1呎=100分-10.936分
0.9600	1.0000	0.8938	0.3200	1.0499	12.5984	1呎=300分-09.144分
1.0740	1.1187	1.0000	0.3580	1.1750	14.1000	1呎=10分-0.3337吋
3.0000	3.1250	2.7933	1.0000	3.2808	39.3701	1吋=254分-0.762分
0.9144	0.9525	0.8510	0.3048	1.0000	12.0000	1吋=3.333分-1.312分
0.0762	0.0794	0.0709	0.0254	0.0833	1.0000	1吋=320分-1.259分

【3】里 之 換 算

市里	舊里	公尺	哩(英里)	哩(海里)	附註
1.0000	0.8681	0.5000	0.3107	0.2698	1市里=1500市尺
1.1520	1.0000	0.5760	0.3579	0.3108	1舊里=1800尺
2.0000	1.7361	1.0000	0.6214	0.5396	1公里=1000公尺
3.2187	2.7940	1.6093	1.0000	0.8684	1英里=5280英尺
3.7060	3.2170	1.8532	1.1516	1.0000	1海里=6080英尺

【4】公 分 化 英 寸

CENTIMETERS TO INCHES—1 cm = 0.3937 in.

cm	Units									
Tens	0	1	2	3	4	5	6	7	8	9
0	.....	0.3937	0.7874	1.1811	1.5748	1.9685	2.3622	2.7559	3.1496	3.5433
1	3.9370	4.3307	4.7244	5.1181	5.5118	5.9055	6.2992	6.6929	7.0866	7.4803
2	7.8740	8.2677	8.6614	9.0551	9.4488	9.8425	10.2362	10.6299	11.0236	11.4173
3	11.8110	12.2047	12.5984	12.9921	13.3858	13.7795	14.1732	14.5669	14.9606	15.3543
4	15.7480	16.1417	16.5354	16.9291	17.3228	17.7165	18.1102	18.5039	18.8976	19.2913
5	19.6850	20.0787	20.4724	20.8661	21.2598	21.6535	22.0472	22.4409	22.8346	23.2283
6	23.6220	24.0157	24.4094	24.8031	25.1968	25.5905	25.9842	26.3779	26.7716	27.1653
7	27.5590	27.9527	28.3464	28.7401	29.1338	29.5275	29.9212	30.3149	30.7086	31.1023
8	31.4960	31.8897	32.2834	32.6771	33.0708	33.4645	33.8582	34.2519	34.6456	35.0393
9	35.4330	35.8267	36.2204	36.6141	37.0078	37.4015	37.7952	38.1889	38.5826	38.9763

【5】英 寸 化 公 分

INCHES TO CENTIMETERS—1 in. = 2.540005 cm

In.	Units									
Tens	0	1	2	3	4	5	6	7	8	9
0	.....	2.540	5.080	7.620	10.160	12.700	15.240	17.780	20.320	22.860
1	25.400	27.940	30.480	33.020	35.560	38.100	40.640	43.180	45.720	48.260
2	50.800	53.340	55.880	58.420	60.960	63.500	66.040	68.580	71.120	73.660
3	76.200	78.740	81.280	83.820	86.360	88.900	91.440	93.980	96.520	99.060
4	101.600	104.140	106.680	109.220	111.760	114.300	116.840	119.380	121.920	124.460
5	127.000	129.540	132.080	134.620	137.160	139.700	142.240	144.780	147.320	149.860
6	152.400	154.940	157.480	160.020	162.560	165.100	167.640	170.180	172.720	175.260
7	177.800	180.340	182.880	185.420	187.960	190.500	193.040	195.580	198.120	200.660
8	203.200	205.740	208.280	210.820	213.360	215.900	218.440	220.980	223.520	226.060
9	228.600	231.140	233.680	236.220	238.760	241.300	243.840	246.380	248.920	251.460

## 【6】公尺化英尺

METERS TO FEET—1 m=3.2808333 ft.

m	Units										
	Tens	0	1	2	3	4	5	6	7	8	9
0		3.281	6.562	9.843	13.123	16.404	19.685	22.966	26.247	29.528	
1	32.808	36.089	39.370	42.651	45.932	49.213	52.493	55.774	59.055	62.336	
2	65.617	68.898	72.178	75.459	78.740	82.021	85.302	88.583	91.863	95.144	
3	98.425	101.706	104.987	108.268	111.548	114.829	118.110	121.391	124.672	127.953	
4	131.233	134.514	137.795	141.076	144.357	147.638	150.919	154.199	157.480	160.761	
5	164.042	167.323	170.603	173.884	177.165	180.446	183.727	187.008	190.288	193.569	
6	196.850	200.131	203.412	206.693	209.973	213.254	216.535	219.816	223.097	226.378	
7	229.658	232.939	236.220	239.501	242.782	246.063	249.343	252.624	255.905	259.186	
8	262.467	265.748	269.028	272.309	275.590	278.871	282.152	285.433	288.713	291.994	
9	295.275	298.556	301.837	305.118	308.398	311.679	314.960	318.241	321.522	324.803	

## 【7】英尺化公尺

FEET TO METERS—1 ft.=0.3048006 m

Ft.	Units										
	Tens	0	1	2	3	4	5	6	7	8	9
0		0.3048	0.6096	0.9144	1.2192	1.5240	1.8288	2.1336	2.4384	2.7432	
1	3.0480	3.3528	3.6576	3.9624	4.2672	4.5720	4.8768	5.1816	5.4864	5.7912	
2	6.0960	6.4008	6.7056	7.0104	7.3152	7.6200	7.9248	8.2296	8.5344	8.8392	
3	9.1440	9.4488	9.7536	10.0584	10.3632	10.6680	10.9728	11.2776	11.5824	11.8872	
4	12.1920	12.4968	12.8016	13.1064	13.4112	13.7160	14.0208	14.3256	14.6304	14.9352	
5	15.2400	15.5448	15.8496	16.1544	16.4592	16.7640	17.0688	17.3736	17.6784	17.9832	
6	18.2880	18.5928	18.8976	19.2024	19.5072	19.8120	20.1168	20.4216	20.7264	21.0312	
7	21.3360	21.6408	21.9456	22.2504	22.5552	22.8600	23.1648	23.4696	23.7744	24.0792	
8	24.3840	24.6888	24.9936	25.2984	25.6033	25.9081	26.2129	26.5177	26.8225	27.1273	
9	27.4321	27.7369	28.0417	28.3465	28.6513	28.9561	29.2609	29.5657	29.8705	30.1753	

## 【8】公尺化英碼

METERS TO YARDS—1 m=1.0936111 yd.

m	Units										
	Tens	0	1	2	3	4	5	6	7	8	9
0		1.094	2.187	3.281	4.374	5.468	6.562	7.655	8.749	9.842	
1	10.936	12.030	13.123	14.217	15.311	16.404	17.498	18.591	19.685	20.779	
2	21.872	22.966	24.059	25.153	26.247	27.340	28.434	29.527	30.621	31.715	
3	32.808	33.902	34.996	36.089	37.183	38.276	39.370	40.464	41.557	42.651	
4	43.744	44.838	45.932	47.025	48.119	49.212	50.306	51.400	52.493	53.587	
5	54.681	55.774	56.868	57.961	59.055	60.149	61.242	62.336	63.429	64.523	
6	65.617	66.710	67.804	68.897	69.991	71.085	72.178	73.272	74.366	75.459	
7	76.553	77.646	78.740	79.834	80.927	82.021	83.114	84.208	85.302	86.395	
8	87.489	88.582	89.676	90.770	91.863	92.957	94.051	95.144	96.238	97.331	
9	98.425	99.519	100.612	101.706	102.799	103.893	104.987	106.080	107.174	108.267	

【9】英寸分數之換算一

DECIMAL OF AN INCH AND OF A FOOT

Fractions of Inch or Foot	inch Equivalent Fractions	Fractions of Inch or Foot	inch Equivalent Fractions	Fractions of Inch or Foot	inch Equivalent Fractions	Fractions of Inch or Foot	inch Equivalent Fractions
.0052	$\frac{1}{192}$	.2552	$\frac{31}{120}$	.5052	$\frac{61}{120}$	.7552	$\frac{91}{120}$
.0104	$\frac{1}{96}$	.2604	$\frac{31}{115}$	.5104	$\frac{61}{115}$	.7604	$\frac{91}{115}$
.015625	$\frac{1}{64}$	.265625	$\frac{31}{110}$	.515625	$\frac{61}{110}$	.765625	$\frac{91}{110}$
.0208	$\frac{1}{48}$	.2708	$\frac{31}{105}$	.5208	$\frac{61}{105}$	.7708	$\frac{91}{105}$
.0260	$\frac{1}{38}$	.2760	$\frac{31}{100}$	.5260	$\frac{61}{100}$	.7760	$\frac{91}{100}$
.03125	$\frac{1}{32}$	.28125	$\frac{31}{95}$	.53125	$\frac{61}{95}$	.78125	$\frac{91}{95}$
.0365	$\frac{1}{27}$	.2865	$\frac{31}{90}$	.5365	$\frac{61}{90}$	.7865	$\frac{91}{90}$
.0417	$\frac{1}{24}$	.2917	$\frac{31}{85}$	.5417	$\frac{61}{85}$	.7917	$\frac{91}{85}$
.046975	$\frac{1}{21}$	.296975	$\frac{31}{80}$	.546975	$\frac{61}{80}$	.796975	$\frac{91}{80}$
.0521	$\frac{1}{19}$	.3021	$\frac{31}{75}$	.5521	$\frac{61}{75}$	.8021	$\frac{91}{75}$
.0573	$\frac{1}{17}$	.3073	$\frac{31}{70}$	.5573	$\frac{61}{70}$	.8073	$\frac{91}{70}$
.0625	$\frac{1}{16}$	.3125	$\frac{31}{65}$	.5625	$\frac{61}{65}$	.8125	$\frac{91}{65}$
.0677	$\frac{1}{15}$	.3177	$\frac{31}{60}$	.5677	$\frac{61}{60}$	.8177	$\frac{91}{60}$
.0729	$\frac{1}{14}$	.3229	$\frac{31}{55}$	.5729	$\frac{61}{55}$	.8229	$\frac{91}{55}$
.078125	$\frac{1}{13}$	.328125	$\frac{31}{50}$	.578125	$\frac{61}{50}$	.828125	$\frac{91}{50}$
.0833	$\frac{1}{12}$	.3333	$\frac{31}{45}$	.5833	$\frac{61}{45}$	.8333	$\frac{91}{45}$
.0885	$\frac{1}{11}$	.3385	$\frac{31}{40}$	.5885	$\frac{61}{40}$	.8385	$\frac{91}{40}$
.09375	$\frac{1}{10}$	.34375	$\frac{31}{35}$	.59375	$\frac{61}{35}$	.84375	$\frac{91}{35}$
.0990	$\frac{1}{10}$	.3490	$\frac{31}{30}$	.5990	$\frac{61}{30}$	.8490	$\frac{91}{30}$
.1042	$\frac{1}{10}$	.3542	$\frac{31}{25}$	.6042	$\frac{61}{25}$	.8542	$\frac{91}{25}$
.109375	$\frac{1}{10}$	.359375	$\frac{31}{20}$	.609375	$\frac{61}{20}$	.859375	$\frac{91}{20}$
.1146	$\frac{1}{10}$	.3646	$\frac{31}{15}$	.6146	$\frac{61}{15}$	.8646	$\frac{91}{15}$
.1198	$\frac{1}{10}$	.3698	$\frac{31}{10}$	.6198	$\frac{61}{10}$	.8698	$\frac{91}{10}$
.1250	$\frac{1}{8}$	.3750	$\frac{31}{5}$	.6250	$\frac{61}{5}$	.8750	$\frac{91}{5}$
.1302	$\frac{1}{8}$	.3802	$\frac{31}{4}$	.6302	$\frac{61}{4}$	.8802	$\frac{91}{4}$
.1354	$\frac{1}{8}$	.3854	$\frac{31}{4}$	.6354	$\frac{61}{4}$	.8854	$\frac{91}{4}$
.140625	$\frac{1}{8}$	.390625	$\frac{31}{4}$	.640625	$\frac{61}{4}$	.890625	$\frac{91}{4}$
.1458	$\frac{1}{8}$	.3958	$\frac{31}{4}$	.6458	$\frac{61}{4}$	.8958	$\frac{91}{4}$
.1510	$\frac{1}{8}$	.4010	$\frac{31}{4}$	.6510	$\frac{61}{4}$	.9010	$\frac{91}{4}$
.15625	$\frac{1}{8}$	.40625	$\frac{31}{4}$	.65625	$\frac{61}{4}$	.90625	$\frac{91}{4}$
.1615	$\frac{1}{8}$	.4115	$\frac{31}{4}$	.6615	$\frac{61}{4}$	.9115	$\frac{91}{4}$
.1667	$\frac{1}{8}$	.4167	$\frac{31}{4}$	.6667	$\frac{61}{4}$	.9167	$\frac{91}{4}$
.171875	$\frac{1}{8}$	.421875	$\frac{31}{4}$	.671875	$\frac{61}{4}$	.921875	$\frac{91}{4}$
.1771	$\frac{1}{8}$	.4271	$\frac{31}{4}$	.6771	$\frac{61}{4}$	.9271	$\frac{91}{4}$
.1823	$\frac{1}{8}$	.4323	$\frac{31}{4}$	.6823	$\frac{61}{4}$	.9323	$\frac{91}{4}$
.1875	$\frac{1}{8}$	.4375	$\frac{31}{4}$	.6875	$\frac{61}{4}$	.9375	$\frac{91}{4}$
.1927	$\frac{1}{8}$	.4427	$\frac{31}{4}$	.6927	$\frac{61}{4}$	.9427	$\frac{91}{4}$
.1979	$\frac{1}{8}$	.4479	$\frac{31}{4}$	.6979	$\frac{61}{4}$	.9479	$\frac{91}{4}$
.203125	$\frac{1}{8}$	.453125	$\frac{31}{4}$	.703125	$\frac{61}{4}$	.953125	$\frac{91}{4}$
.2083	$\frac{1}{8}$	.4583	$\frac{31}{4}$	.7083	$\frac{61}{4}$	.9583	$\frac{91}{4}$
.2135	$\frac{1}{8}$	.4635	$\frac{31}{4}$	.7135	$\frac{61}{4}$	.9635	$\frac{91}{4}$
.21875	$\frac{1}{8}$	.46875	$\frac{31}{4}$	.71875	$\frac{61}{4}$	.96875	$\frac{91}{4}$
.2240	$\frac{1}{8}$	.4740	$\frac{31}{4}$	.7240	$\frac{61}{4}$	.9740	$\frac{91}{4}$
.2292	$\frac{1}{8}$	.4792	$\frac{31}{4}$	.7292	$\frac{61}{4}$	.9792	$\frac{91}{4}$
.234375	$\frac{1}{8}$	.484375	$\frac{31}{4}$	.734375	$\frac{61}{4}$	.984375	$\frac{91}{4}$
.2396	$\frac{1}{8}$	.4896	$\frac{31}{4}$	.7396	$\frac{61}{4}$	.9896	$\frac{91}{4}$
.2448	$\frac{1}{8}$	.4948	$\frac{31}{4}$	.7448	$\frac{61}{4}$	.9948	$\frac{91}{4}$
.2500	$\frac{1}{4}$	.5000	$\frac{1}{2}$	.7500	$\frac{3}{4}$	1.0000	1

【10】英寸分數之換算二

英寸	英尺	公分	英寸	英尺	公分	英寸	英尺	公分
$\frac{1}{64}$	0.0013	0.0396	$\frac{1}{32}$	0.0330	1.0302	$\frac{3}{64}$	0.0664	2.0239
$\frac{1}{32}$	0.0026	0.0792	$\frac{1}{16}$	0.0351	1.0609	$\frac{1}{8}$	0.0677	2.0635
$\frac{3}{64}$	0.0039	0.1188	$\frac{1}{8}$	0.0364	1.1095	$\frac{5}{64}$	0.0690	2.1031
$\frac{1}{16}$	0.0052	0.1584	$\frac{3}{64}$	0.0377	1.1491	$\frac{1}{4}$	0.0703	2.1428
$\frac{5}{64}$	0.0065	0.1980	$\frac{1}{32}$	0.0390	1.1887	$\frac{3}{16}$	0.0716	2.1824
$\frac{1}{8}$	0.0078	0.2377	$\frac{1}{16}$	0.0403	1.2283	$\frac{1}{4}$	0.0729	2.2220
$\frac{3}{16}$	0.0091	0.2774	$\frac{1}{8}$	0.0417	1.2679	$\frac{5}{16}$	0.0742	2.2617
$\frac{1}{4}$	0.0104	0.3170	$\frac{3}{64}$	0.0430	1.3076	$\frac{3}{8}$	0.0755	2.3012
$\frac{5}{16}$	0.0117	0.3565	$\frac{1}{32}$	0.0443	1.3472	$\frac{1}{2}$	0.0768	2.3408
$\frac{3}{8}$	0.0130	0.3962	$\frac{3}{64}$	0.0456	1.3869	$\frac{5}{16}$	0.0781	2.3804
$\frac{1}{2}$	0.0143	0.4358	$\frac{1}{16}$	0.0469	1.4265	$\frac{3}{4}$	0.0794	2.4201
$\frac{3}{4}$	0.0156	0.4754	$\frac{3}{64}$	0.0482	1.4661	$\frac{1}{2}$	0.0807	2.4597
$\frac{5}{8}$	0.0169	0.5151	$\frac{1}{8}$	0.0495	1.5058	$\frac{3}{4}$	0.0820	2.4994
$\frac{7}{8}$	0.0182	0.5547	$\frac{3}{64}$	0.0508	1.5454	1	0.0833	2.5400
$\frac{15}{16}$	0.0195	0.5943	$\frac{1}{4}$	0.0521	1.5850	2	0.1667	5.0000
$\frac{1}{4}$	0.0208	0.6339	$\frac{5}{64}$	0.0534	1.6246	3	0.2500	7.6200
$\frac{3}{8}$	0.0221	0.6736	$\frac{1}{8}$	0.0547	1.6642	4	0.3333	10.1600
$\frac{1}{2}$	0.0234	0.7132	$\frac{3}{64}$	0.0560	1.7039	5	0.4167	12.7000
$\frac{5}{8}$	0.0247	0.7528	$\frac{1}{16}$	0.0573	1.7435	6	0.5000	15.2400
$\frac{3}{4}$	0.0260	0.7925	$\frac{3}{64}$	0.0586	1.7832	7	0.5833	17.7800
$\frac{7}{8}$	0.0273	0.8321	$\frac{1}{8}$	0.0599	1.8228	8	0.6667	20.3200
$\frac{15}{8}$	0.0286	0.8717	$\frac{3}{64}$	0.0612	1.8624	9	0.7500	22.8600
$\frac{17}{8}$	0.0299	0.9113	$\frac{1}{4}$	0.0625	1.9021	10	0.8333	25.4000
$\frac{19}{8}$	0.0312	0.9510	$\frac{5}{64}$	0.0638	1.9417	11	0.9167	27.9400
$\frac{21}{8}$	0.0325	0.9906	$\frac{3}{16}$	0.0651	1.9813	12	1.0000	30.4800

## 第一編 換算表

## 【11】平方尺之換算

平方市尺	平方尺	平方公尺	平方呎	附註
100000	108507	011111	119601	1平方呎=64516平方市尺
092160	100000	010240	110222	=06304平方呎
900000	976562	100000	1076387	1平方公尺=1196平方呎
083613	090726	009290	100000	1平方呎=0837平方市尺

## 【12】平方里換算

方市里	方舊里	方公里	方英里	市畝	舊畝	公畝	畝(英畝)	附註
1000000	0753520	0250000	0096528	3750000	4089010	28000000	617766	1市畝=600000方市尺
1527104	1000000	0331776	0123099	4976640	5400000	33177600	819235	1舊畝=600000方舊畝
4020000	3014082	1000000	0386102	15000000	16276042	100000000	2471040	1公畝=10000方市尺
10359252	7806436	2589904	1000000	38649622	42154754	258992511	6400000	1英畝=4356000方市尺
0002567	0002009	0000567	0000257	10000	10851	66867	01647	1公畝=10000方市尺
0002458	0001852	0000614	0000237	09216	10000	61440	01518	=1000000方市尺
0000400	0000301	0000100	0000039	01500	01628	10000	00247	1英畝=10000舊畝
0016187	0012198	0004047	001562	60703	65867	404006	10000	

## 【13】平方公分化平方英寸

CENTIMETERS<sup>2</sup> TO INCHES<sup>2</sup>—1 cm<sup>2</sup>=0.15499969 in.<sup>2</sup>

cm <sup>2</sup>	Units										
	Tens	0	1	2	3	4	5	6	7	8	9
0	.....	0.1550	0.3100	0.4650	0.6200	0.7750	0.9300	1.0850	1.2400	1.3950	
1	1.5500	1.7050	1.8600	2.0150	2.1700	2.3250	2.4800	2.6350	2.7900	2.9450	
2	3.1000	3.2550	3.4100	3.5650	3.7200	3.8750	4.0300	4.1850	4.3400	4.4950	
3	4.6500	4.8050	4.9600	5.1150	5.2700	5.4250	5.5800	5.7350	5.8900	6.0450	
4	6.2000	6.3550	6.5100	6.6650	6.8200	6.9750	7.1300	7.2850	7.4400	7.5950	
5	7.7500	7.9050	8.0600	8.2150	8.3700	8.5250	8.6800	8.8350	8.9900	9.1450	
6	9.3000	9.4550	9.6100	9.7650	9.9200	10.0750	10.2300	10.3850	10.5400	10.6950	
7	10.8500	11.0050	11.1600	11.3150	11.4700	11.6250	11.7800	11.9350	12.0900	12.2450	
8	12.4000	12.5550	12.7100	12.8650	13.0200	13.1750	13.3300	13.4850	13.6400	13.7950	
9	13.9500	14.1050	14.2600	14.4150	14.5700	14.7250	14.8800	15.0350	15.1900	15.3450	

## 【14】平方英寸化平方公分

INCHES<sup>2</sup> TO CENTIMETERS<sup>2</sup>—1 in.<sup>2</sup>=6.451625 cm<sup>2</sup>

In. <sup>2</sup>	Units										
	Tens	0	1	2	3	4	5	6	7	8	9
0	.....	6.452	12.903	19.355	25.807	32.258	38.710	45.161	51.613	58.065	
1	64.516	70.968	77.420	83.871	90.323	96.774	103.226	109.678	116.129	122.581	
2	129.033	135.484	141.936	148.387	154.839	161.291	167.742	174.194	180.646	187.097	
3	193.549	200.000	206.452	212.904	219.355	225.807	232.259	238.710	245.162	251.613	
4	258.065	264.517	270.968	277.420	283.872	290.323	296.775	303.226	309.678	316.130	
5	322.581	329.033	335.485	341.936	348.388	354.839	361.291	367.743	374.194	380.646	
6	387.098	393.549	400.001	406.452	412.904	419.356	425.807	432.259	438.711	445.162	
7	451.614	458.065	464.517	470.969	477.420	483.872	490.324	496.775	503.227	509.678	
8	516.130	522.582	529.033	535.485	541.937	548.388	554.840	561.291	567.743	574.195	
9	580.646	587.098	593.550	600.001	606.453	612.904	619.356	625.808	632.259	638.711	

【15】體積與容量之換算

體 積							容 量			
立方市尺	立方尺	立方公尺	立方呎	市方	營造方	英方	市升,公升	舊 升	英加倫	美加倫
10000	11304	00370	13079	001000	001130	001309	370370	367634	81512	97841
02847	10000	00328	11573	000284	001000	001157	327880	316456	72115	86563
270000	305175	10000	353144	027000	030517	035314	1000000	9657461	2200883	2641704
07646	08642	00293	10000	000764	000864	001000	283170	273022	62321	74805
1000000	1130390	37040	1307940	100000	113040	130794	3703700	36771895	8151254	9784045
884740	1000000	32763	1157300	0088474	100000	115730	32763115	31545570	7212409	8657182
764640	864170	28320	1000000	076464	086417	100000	28319971	27347182	6232100	7480500
0.0270	0.0305	0.0010	0.0353	0.00027	0.00030	0.00035	1.0000	09657	02201	02642
0.0324	0.0366	0.0012	0.0423	0.00032	0.00036	0.00042	1.0354	10000	02279	02735
0.1226	0.1386	0.0045	0.1604	0.00122	0.00138	0.00160	4.5437	43881	1.0000	1.2003
0.1026	0.1160	0.0036	0.1340	0.00103	0.00116	0.00134	3.7854	36557	08331	1.0000

【16】立方公分化立方英寸

CENTIMETERS<sup>3</sup> TO INCHES<sup>3</sup>—1 cm<sup>3</sup> = 0.0610234 in.<sup>3</sup>

cm <sup>3</sup>	Units										
	Tens	0	1	2	3	4	5	6	7	8	9
0		0.06102	0.12205	0.18307	0.24409	0.30512	0.36614	0.42716	0.48819	0.54921	
1	0.61023	0.67126	0.73228	0.79330	0.85433	0.91535	0.97637	1.03740	1.09842	1.15944	
2	1.22047	1.28149	1.34251	1.40354	1.46456	1.52559	1.58661	1.64763	1.70866	1.76968	
3	1.83070	1.89173	1.95275	2.01377	2.07480	2.13582	2.19684	2.25787	2.31889	2.37991	
4	2.44094	2.50196	2.56298	2.62401	2.68503	2.74605	2.80708	2.86810	2.92912	2.99015	
5	3.05117	3.11219	3.17322	3.23424	3.29526	3.35629	3.41731	3.47833	3.53936	3.60038	
6	3.66140	3.72243	3.78345	3.84447	3.90550	3.96652	4.02754	4.08857	4.14959	4.21061	
7	4.27164	4.33266	4.39368	4.45471	4.51573	4.57675	4.63778	4.69880	4.75983	4.82085	
8	4.88187	4.94290	5.00392	5.06494	5.12597	5.18699	5.24801	5.30904	5.37006	5.43108	
9	5.49211	5.55313	5.61415	5.67518	5.73620	5.79722	5.85825	5.91927	5.98029	6.04132	

【17】立方英寸化立方公分

INCHES<sup>3</sup> TO CENTIMETERS<sup>3</sup>—1 in.<sup>3</sup> = 16.38716 cm<sup>3</sup>

In <sup>3</sup>	Units										
	Tens	0	1	2	3	4	5	6	7	8	9
0		16.39	32.77	49.16	65.55	81.94	98.32	114.71	131.10	147.48	
1	163.87	180.26	196.65	213.03	229.42	245.81	262.19	278.58	294.97	311.36	
2	327.74	344.13	360.52	376.90	393.29	409.68	426.07	442.45	458.84	475.23	
3	491.61	508.00	524.39	540.78	557.16	573.55	589.94	606.32	622.71	639.10	
4	655.49	671.87	688.26	704.65	721.04	737.42	753.81	770.20	786.58	802.97	
5	819.36	835.75	852.13	868.52	884.91	901.29	917.68	934.07	950.46	966.84	
6	983.23	999.62	1016.00	1032.39	1048.78	1065.17	1081.55	1097.94	1114.33	1130.71	
7	1147.10	1163.49	1179.88	1196.26	1212.65	1229.04	1245.42	1261.81	1278.20	1294.59	
8	1310.97	1327.36	1343.75	1360.13	1376.52	1392.91	1409.30	1425.68	1442.07	1458.46	
9	1474.84	1491.23	1507.62	1524.01	1540.39	1556.78	1573.17	1589.55	1605.94	1622.33	



第一編 換算表

【18】立方英尺之換算

Cub. Feet (British) 立方英尺	Cub. Kung Chih (Cub. Metre) 立方公尺	Cub. Shih Chih (Marsk) 立方市尺	Cub. Shaku (Japanese) 立方尺	Cub. Archine (Russian) 立方俄阿耳申	Cub. Chih (Ying Tiao) 立方營造尺	Cub. Feet (British) 立方英尺	Cub. Kung Chih (Cub. Metre) 立方公尺	Cub. Shih Chih (Japanese) 立方尺	Cub. Shaku (Japanese) 立方尺	Cub. Archine (Russian) 立方俄阿耳申	Cub. Chih (Ying Tiao) 立方營造尺
1	0.02831684659	0.764555	1.01303383	0.078717	0.864158859	60	1.6990107954	45.873292	60.7820178	4.722031	61.84963136
2	0.05663369318	1.529110	2.02606766	0.157434	1.728317719	70	1.9621792613	53.518840	70.9125541	5.510203	60.49111992
3	0.08495053977	2.293665	3.03910086	0.236152	2.592476580	80	2.2253477272	61.164389	81.0429904	6.297275	69.13270848
4	0.11326738636	3.058219	4.05213452	0.314869	3.456635441	90	2.4885161931	68.809937	91.1752267	7.084541	77.7429704
5	0.14158423295	3.822774	5.06516816	0.393586	4.320794302	100	2.7546846590	76.455486	101.3035639	7.871719	86.41588360
6	0.16990107954	4.587329	6.07820178	0.472303	5.184953163	200	5.5093693180	152.910972	202.607260	15.743438	172.83177120
7	0.19821792613	5.351884	7.09123541	0.551020	6.049111924	300	8.2640539770	229.360457	303.9100880	23.615157	239.24765680
8	0.22653477272	6.116439	8.10429904	0.629738	6.913270848	400	11.0187380300	305.921943	405.2134529	31.486870	345.66354240
9	0.25485161931	6.880994	9.11730267	0.708455	7.777429704	500	14.1584222050	382.277429	506.5168150	39.358593	422.07942800
10	0.28316846590	7.645549	10.13033630	0.787172	8.641588500	600	16.9991070540	458.732915	607.8201780	47.230314	518.49331360
20	0.56633693180	15.291100	20.26067360	1.574344	17.283177120	700	19.8217926130	535.188401	709.1253410	55.102031	604.91119920
30	0.84950539770	22.936946	30.39100880	2.361516	25.924765800	800	22.6547727200	611.643886	810.4299040	62.972776	691.32708640
40	1.13267386360	30.582194	40.52134520	3.148688	34.566354400	900	25.4851619310	688.099372	911.7302670	70.845472	777.74297040
50	1.41584232950	38.227742	50.65168160	3.935500	43.207942800	1000	28.3168465900	764.554858	1013.0338000	78.717191	864.15883600

【19】立方市尺之換算

Cub. Shih Chih (Marsk) 立方市尺	Cub. Feet (British) 立方英尺	Cub. Shaku (Japanese) 立方尺	Cub. Archine (Russian) 立方俄阿耳申	Cub. Chih (Ying Tiao) 立方營造尺	Cub. Shih Chih (Marsk) 立方市尺	Cub. Feet (British) 立方英尺	Cub. Shaku (Japanese) 立方尺	Cub. Archine (Russian) 立方俄阿耳申	Cub. Chih (Ying Tiao) 立方營造尺
1	1.307954	1.331000	0.102958	1.130981	60	78.477263	79.800000	6.177478	67.816832
2	2.615908	2.662000	0.205916	2.261961	70	91.599705	93.170000	7.207057	79.119037
3	3.923863	3.993000	0.308874	3.392942	80	104.722167	106.480000	8.236637	90.423442
4	5.231817	5.324000	0.411832	4.521122	90	117.844629	119.790000	9.266217	101.726247
5	6.539771	6.655000	0.514790	5.631403	100	130.967091	133.100000	10.295796	113.029053
6	7.847725	7.980000	0.617748	6.781683	200	261.934182	266.200000	20.591592	226.058105
7	9.155680	9.317000	0.720706	7.911964	300	392.901273	399.300000	30.887388	339.084158
8	10.463634	10.648000	0.823664	9.042244	400	523.868364	532.400000	41.183184	452.112211
9	11.771588	11.979000	0.926622	10.172525	500	654.835455	665.500000	51.478981	565.140260
10	13.079542	13.310000	1.029580	11.302805	600	785.802546	798.600000	61.774777	678.168316
20	26.159084	26.620000	2.059160	22.605611	700	916.879637	931.700000	72.070573	791.196389
30	39.238626	39.930000	3.088740	33.908416	800	1047.946728	1064.800000	82.366369	904.224421
40	52.318168	53.240000	4.118318	45.211221	900	1178.913819	1197.900000	92.662166	1017.232474
50	65.397710	66.550000	5.147898	56.514026	1000	1309.980910	1331.000000	102.957961	1130.250527

【20】水之容積與重量換算

立方呎	磅	公升=公方	立方公尺=公噸	長 噸	短 噸	英加倫	美加倫
1	62.42806	28317000	0028317	0027809	0031214	6.232100	7.480500
0016018	1	0453590	0000454	0000446	0000600	0029779	0119826
0036514	220462	1	0001000	0000284	0001102	0220083	0264170
35314400	220462000	1000000000	1	0984206	1102310	220023300	264170400
35381100	220400000	1016041600	0016041	1	1120000	223504960	268410240
32086700	200000000	907185000	0907185	0892900	1	199588000	239652000
0160534	1002210	4.545963	0004550	0004469	0006011	1	1.200300
0133677	834645	3705430	0003729	0003722	0004173	0533100	1

【21】 四次方之換算

CENTIMETERS<sup>4</sup> TO INCHES<sup>4</sup>—1 cm<sup>4</sup> = 0.0240249 in<sup>4</sup>

cm <sup>4</sup>	Units										
	Tens	0	1	2	3	4	5	6	7	8	9
0		0.02402	0.04805	0.07207	0.09610	0.12012	0.14415	0.16817	0.19220	0.21622	
1	0.24025	0.26427	0.28830	0.31232	0.33635	0.36037	0.38440	0.40842	0.43245	0.45647	
2	0.48050	0.50452	0.52855	0.55257	0.57660	0.60062	0.62465	0.64867	0.67270	0.69672	
3	0.72075	0.74477	0.76880	0.79282	0.81685	0.84087	0.86490	0.88892	0.91295	0.93697	
4	0.96100	0.98502	1.00905	1.03307	1.05710	1.08112	1.10515	1.12917	1.15320	1.17722	
5	1.20125	1.22527	1.24930	1.27332	1.29734	1.32137	1.34539	1.36942	1.39344	1.41747	
6	1.44149	1.46552	1.48954	1.51357	1.53759	1.56162	1.58564	1.60967	1.63369	1.65772	
7	1.68174	1.70577	1.72979	1.75382	1.77784	1.80187	1.82589	1.84992	1.87394	1.89797	
8	1.92199	1.94602	1.97004	1.99407	2.01809	2.04212	2.06614	2.09017	2.11419	2.13822	
9	2.16224	2.18627	2.21029	2.23432	2.25834	2.28237	2.30639	2.33042	2.35444	2.37847	

INCHES<sup>4</sup> TO CENTIMETERS<sup>4</sup>—1 in.<sup>4</sup> = 41.62347 cm<sup>4</sup>

In. <sup>4</sup>	Units										
	Tens	0	1	2	3	4	5	6	7	8	9
0		41.62	83.25	124.87	166.49	208.12	249.74	291.36	332.99	374.61	
1	416.23	457.86	499.48	541.11	582.73	624.35	665.98	707.60	749.22	790.85	
2	832.47	874.09	915.72	957.34	998.96	1040.59	1082.21	1123.83	1165.46	1207.08	
3	1248.70	1290.33	1331.95	1373.57	1415.20	1456.82	1498.44	1540.07	1581.69	1623.32	
4	1664.94	1706.56	1748.19	1789.81	1831.43	1873.06	1914.68	1956.30	1997.93	2039.55	
5	2081.17	2122.80	2164.42	2206.04	2247.67	2289.29	2330.91	2372.54	2414.16	2455.78	
6	2497.41	2539.03	2580.66	2622.28	2663.90	2705.53	2747.15	2788.77	2830.40	2872.02	
7	2913.64	2955.27	2996.89	3038.51	3080.14	3121.76	3163.38	3205.01	3246.63	3288.25	
8	3329.88	3371.50	3413.12	3454.75	3496.37	3537.99	3579.62	3621.24	3662.87	3704.49	
9	3746.11	3787.74	3829.36	3870.98	3912.61	3954.23	3995.85	4037.48	4079.10	4120.72	

【22】 時間之換算

年	月	日	小時	分	秒
1	12	365	8760	525600	31536000
0.0833	1	30	720	43200	2592000
0.0027397	0.0833	1	24	1440	86400
0.00011416	0.0013889	0.041667	1	60	3600
0.00000190 <sub>2</sub>	0.00002315	0.00069444	0.016667	1	60
0.00000003 <sub>3</sub>	0.00000038	0.00001157	0.00027778	0.016667	1

【23】 重量之換算

市斤	舊斤	公斤	磅(常衡)	公噸	長噸	短噸	舊兩(兩半)
1.00000	0.93778	0.50000	1.10231	0.000500	0.000492	0.000550	13.40446
1.19363	1.00000	0.60000	1.31578	0.000597	0.000587	0.000658	16.00000
2.00000	1.67556	1.00000	2.20462	0.001000	0.000984	0.001102	26.80293
0.90719	0.76002	0.45359	1.00000	0.000454	0.000446	0.000500	12.16034
2000.00000	1675.56000	1000.00000	2204.62000	1.000000	0.984210	1.102310	26802.96000
2032.10560	1700.00000	1016.04160	2240.00000	1.016042	1.000000	1.120000	27200.00000
1814.36000	1520.00000	907.18000	2000.00000	0.907200	0.892900	1.000000	24320.00000
0.07460	0.06250	0.03750	0.08225	0.000037	0.000037	0.000041	10.00000

## 【24】公斤化英磅

## KILOGRAMS TO POUNDS AVOIRDUPOIS

1 kilogram = 2.204622341 pounds

kg Tana	Units									
	0	1	2	3	4	5	6	7	8	9
0		2.2	4.4	6.6	8.8	11.0	13.2	15.4	17.6	19.8
1	22.0	24.3	26.5	28.7	30.9	33.1	35.3	37.5	39.7	41.9
2	44.1	46.3	48.5	50.7	52.9	55.1	57.3	59.5	61.7	63.9
3	66.1	68.3	70.5	72.8	75.0	77.2	79.4	81.6	83.8	86.0
4	88.2	90.4	92.6	94.8	97.0	99.2	101.4	103.6	105.8	108.0
5	110.2	112.4	114.6	116.8	119.0	121.3	123.5	125.7	127.9	130.1
6	132.4	134.5	136.7	138.9	141.1	143.3	145.5	147.7	149.9	152.1
7	154.3	156.5	158.7	160.9	163.1	165.3	167.6	169.8	172.0	174.2
8	176.4	178.6	180.8	183.0	185.2	187.4	189.6	191.8	194.0	196.2
9	198.4	200.6	202.8	205.0	207.2	209.4	211.6	213.8	216.1	218.3
10	220.5	222.7	224.9	227.1	229.3	231.5	233.7	235.9	238.1	240.3
11	242.5	244.7	246.9	249.1	251.3	253.5	255.7	257.9	260.1	262.4
12	264.6	266.8	269.0	271.2	273.4	275.6	277.8	280.0	282.2	284.4
13	286.6	288.8	291.0	293.2	295.4	297.6	299.8	302.0	304.2	306.4
14	308.6	310.9	313.1	315.3	317.5	319.7	321.9	324.1	326.3	328.5
15	330.7	332.9	335.1	337.3	339.5	341.7	343.9	346.1	348.3	350.5
16	352.7	354.9	357.1	359.4	361.6	363.8	366.0	368.2	370.4	372.6
17	374.8	377.0	379.2	381.4	383.6	385.8	388.0	390.2	392.4	394.6
18	386.8	389.0	401.2	403.4	405.7	407.9	410.1	412.3	414.5	416.7
19	418.9	421.1	423.3	425.5	427.7	429.9	432.1	434.3	436.5	438.7
20	440.9	443.1	445.3	447.5	449.7	451.9	454.2	456.4	458.6	460.8
21	463.0	465.2	467.4	469.6	471.8	474.0	476.2	478.4	480.6	482.8
22	485.0	487.2	489.4	491.6	493.8	496.0	498.2	500.4	502.6	504.8
23	507.1	509.3	511.5	513.7	515.9	518.1	520.3	522.5	524.7	526.9
24	529.1	531.3	533.5	535.7	537.9	540.1	542.3	544.5	546.7	548.9
25	551.2	553.4	555.6	557.8	560.0	562.2	564.4	566.6	568.8	571.0
26	573.2	575.4	577.6	579.8	582.0	584.2	586.4	588.6	590.8	593.0
27	585.2	587.4	589.6	591.8	594.0	596.2	598.4	600.6	602.8	605.0
28	617.3	619.5	621.7	623.9	626.1	628.3	630.5	632.7	634.9	637.1
29	639.3	641.5	643.7	646.0	648.2	650.4	652.6	654.8	657.0	659.2
30	661.4	663.6	665.8	668.0	670.2	672.4	674.6	676.8	679.0	681.2
31	683.4	685.6	687.8	690.0	692.2	694.5	696.7	698.9	701.1	703.3
32	705.5	707.7	709.9	712.1	714.3	716.5	718.7	720.9	723.1	725.3
33	727.5	729.7	731.9	734.1	736.3	738.5	740.7	743.0	745.2	747.4
34	749.6	751.8	754.0	756.2	758.4	760.6	762.8	765.0	767.2	769.4
35	771.6	773.8	776.0	778.2	780.4	782.6	784.8	787.1	789.3	791.5
36	793.7	795.9	798.1	800.3	802.5	804.7	806.9	809.1	811.3	813.5
37	815.7	817.9	820.1	822.3	824.5	826.7	828.9	831.1	833.3	835.5
38	837.8	840.0	842.2	844.4	846.6	848.8	851.0	853.2	855.4	857.6
39	859.8	862.0	864.2	866.4	868.6	870.8	873.0	875.2	877.4	879.6
40	881.8	884.1	886.3	888.5	890.7	892.9	895.1	897.3	899.5	901.7
41	903.9	906.1	908.3	910.5	912.7	914.9	917.1	919.3	921.5	923.7
42	925.9	928.1	930.4	932.6	934.8	937.0	939.2	941.4	943.6	945.8
43	948.0	950.2	952.4	954.6	956.8	959.0	961.2	963.4	965.6	967.8
44	970.0	972.2	974.4	976.6	978.8	981.1	983.3	985.5	987.7	989.9
45	992.1	994.3	996.5	998.7	1000.9	1003.1	1005.3	1007.5	1009.7	1011.9
46	1014.1	1016.3	1018.5	1020.7	1022.9	1025.1	1027.4	1029.6	1031.8	1034.0
47	1036.2	1038.4	1040.6	1042.8	1045.0	1047.2	1049.4	1051.6	1053.8	1056.0
48	1058.2	1060.4	1062.6	1064.8	1067.0	1069.2	1071.4	1073.7	1075.9	1078.1
49	1080.3	1082.5	1084.7	1086.9	1089.1	1091.3	1093.5	1095.7	1097.9	1100.1

重 量

1 kilogram = 2.204622341 pounds

kg	Units									
	Tens	0	1	2	3	4	5	6	7	8
50	1102.3	1104.5	1106.7	1108.9	1111.1	1113.3	1115.5	1117.7	1119.9	1122.2
51	1124.4	1126.6	1128.8	1131.0	1133.2	1135.4	1137.6	1139.8	1142.0	1144.2
52	1146.4	1148.6	1150.8	1153.0	1155.2	1157.4	1159.6	1161.8	1164.0	1166.2
53	1168.4	1170.7	1172.9	1175.1	1177.3	1179.5	1181.7	1183.9	1186.1	1188.3
54	1190.5	1192.7	1194.9	1197.1	1199.3	1201.5	1203.7	1205.9	1208.1	1210.3
55	1212.5	1214.7	1217.0	1219.2	1221.4	1223.6	1225.8	1228.0	1230.2	1232.4
56	1234.6	1236.8	1239.0	1241.2	1243.4	1245.6	1247.8	1250.0	1252.2	1254.4
57	1256.6	1258.8	1261.0	1263.2	1265.5	1267.7	1269.9	1272.1	1274.3	1276.5
58	1278.7	1280.9	1283.1	1285.3	1287.5	1289.7	1291.9	1294.1	1296.3	1298.5
59	1300.7	1302.9	1305.1	1307.3	1309.5	1311.8	1314.0	1316.2	1318.4	1320.6
60	1322.8	1325.0	1327.2	1329.4	1331.6	1333.8	1336.0	1338.2	1340.4	1342.6
61	1344.8	1347.0	1349.2	1351.4	1353.6	1355.8	1358.0	1360.3	1362.5	1364.7
62	1366.9	1369.1	1371.3	1373.5	1375.7	1377.9	1380.1	1382.3	1384.5	1386.7
63	1388.9	1391.1	1393.3	1395.5	1397.7	1399.9	1402.1	1404.3	1406.5	1408.8
64	1411.0	1413.2	1415.4	1417.6	1419.8	1422.0	1424.2	1426.4	1428.6	1430.8
65	1433.0	1435.2	1437.4	1439.6	1441.8	1444.0	1446.2	1448.4	1450.6	1452.8
66	1455.1	1457.3	1459.5	1461.7	1463.9	1466.1	1468.3	1470.5	1472.7	1474.9
67	1477.1	1479.3	1481.5	1483.7	1485.9	1488.1	1490.3	1492.5	1494.7	1496.9
68	1499.1	1501.3	1503.6	1505.8	1508.0	1510.2	1512.4	1514.6	1516.8	1519.0
69	1521.2	1523.4	1525.6	1527.8	1530.0	1532.2	1534.4	1536.6	1538.8	1541.0
70	1543.2	1545.4	1547.6	1549.8	1552.1	1554.3	1556.5	1558.7	1560.9	1563.1
71	1565.3	1567.5	1569.7	1571.9	1574.1	1576.3	1578.5	1580.7	1582.9	1585.1
72	1587.3	1589.5	1591.7	1593.9	1596.1	1598.4	1600.6	1602.8	1605.0	1607.2
73	1609.4	1611.6	1613.8	1616.0	1618.2	1620.4	1622.6	1624.8	1627.0	1629.2
74	1631.4	1633.6	1635.8	1638.0	1640.2	1642.4	1644.6	1646.9	1649.1	1651.3
75	1653.5	1655.7	1657.9	1660.1	1662.3	1664.5	1666.7	1668.9	1671.1	1673.3
76	1675.5	1677.7	1679.9	1682.1	1684.3	1686.5	1688.7	1690.9	1693.2	1695.4
77	1697.6	1699.8	1702.0	1704.2	1706.4	1708.6	1710.8	1713.0	1715.2	1717.4
78	1719.6	1721.8	1724.0	1726.2	1728.4	1730.6	1732.8	1735.0	1737.2	1739.4
79	1741.7	1743.9	1746.1	1748.3	1750.5	1752.7	1754.9	1757.1	1759.3	1761.5
80	1763.7	1765.9	1768.1	1770.3	1772.5	1774.7	1776.9	1779.1	1781.3	1783.5
81	1785.7	1787.9	1790.2	1792.4	1794.6	1796.8	1799.0	1801.2	1803.4	1805.6
82	1807.8	1810.0	1812.2	1814.4	1816.6	1818.8	1821.0	1823.2	1825.4	1827.6
83	1829.8	1832.0	1834.2	1836.5	1838.7	1840.9	1843.1	1845.3	1847.5	1849.7
84	1851.9	1854.1	1856.3	1858.5	1860.7	1862.9	1865.1	1867.3	1869.5	1871.7
85	1873.9	1876.1	1878.3	1880.5	1882.7	1885.0	1887.2	1889.4	1891.6	1893.8
86	1896.0	1898.2	1900.4	1902.6	1904.8	1907.0	1909.2	1911.4	1913.6	1915.8
87	1918.0	1920.2	1922.4	1924.6	1926.8	1929.0	1931.2	1933.5	1935.7	1937.9
88	1940.1	1942.3	1944.5	1946.7	1948.9	1951.1	1953.3	1955.5	1957.7	1959.9
89	1962.1	1964.3	1966.5	1968.7	1970.9	1973.1	1975.3	1977.5	1979.7	1982.0
90	1984.2	1986.4	1988.6	1990.8	1993.0	1995.2	1997.4	1999.6	2001.8	2004.0
91	2006.2	2008.4	2010.6	2012.8	2015.0	2017.2	2019.4	2021.6	2023.8	2026.0
92	2028.3	2030.5	2032.7	2034.9	2037.1	2039.3	2041.5	2043.7	2045.9	2048.1
93	2050.3	2052.5	2054.7	2056.9	2059.1	2061.3	2063.5	2065.7	2067.9	2070.1
94	2072.3	2074.5	2076.8	2079.0	2081.2	2083.4	2085.6	2087.8	2090.0	2092.2
95	2094.4	2096.6	2098.8	2101.0	2103.2	2105.4	2107.6	2109.8	2112.0	2114.2
96	2116.4	2118.6	2120.8	2123.1	2125.3	2127.5	2129.7	2131.9	2134.1	2136.3
97	2138.5	2140.7	2142.9	2145.1	2147.3	2149.5	2151.7	2153.9	2156.1	2158.3
98	2160.5	2162.7	2164.9	2167.1	2169.3	2171.5	2173.8	2176.0	2178.2	2180.4
99	2182.6	2184.8	2187.0	2189.2	2191.4	2193.6	2195.8	2198.0	2200.2	2202.4

## 【25】英磅化公斤

POUNDS AVOIRDUPOIS TO KILOGRAMS

1 Pound = 0.45359 Kilograms

Lbs.	Units									
	0	1	2	3	4	5	6	7	8	9
Tons	0	1	2	3	4	5	6	7	8	9
0	.....	0.45	0.91	1.36	1.81	2.27	2.72	3.18	3.63	4.08
1	4.54	4.99	5.44	5.90	6.35	6.80	7.26	7.71	8.16	8.62
2	9.07	9.53	9.98	10.43	10.89	11.34	11.79	12.25	12.70	13.15
3	13.61	14.06	14.51	14.97	15.42	15.88	16.33	16.78	17.24	17.69
4	18.14	18.60	19.05	19.50	19.96	20.41	20.87	21.32	21.77	22.23
5	22.68	23.13	23.59	24.04	24.49	24.95	25.40	25.85	26.31	26.76
6	27.22	27.67	28.12	28.58	29.03	29.48	29.94	30.39	30.84	31.30
7	31.75	32.21	32.66	33.11	33.57	34.02	34.47	34.93	35.38	35.83
8	36.29	36.74	37.19	37.65	38.10	38.55	39.01	39.46	39.92	40.37
9	40.82	41.28	41.73	42.18	42.64	43.09	43.54	44.00	44.45	44.91
10	45.36	45.81	46.27	46.72	47.17	47.63	48.08	48.53	48.99	49.44
11	49.90	50.35	50.80	51.26	51.71	52.16	52.62	53.07	53.52	53.98
12	54.43	54.88	55.34	55.79	56.25	56.70	57.15	57.61	58.06	58.51
13	58.97	59.42	59.87	60.33	60.78	61.23	61.69	62.14	62.60	63.05
14	63.50	63.96	64.41	64.86	65.32	65.77	66.22	66.68	67.13	67.59
15	68.04	68.49	68.95	69.40	69.85	70.31	70.76	71.21	71.67	72.12
16	72.57	73.03	73.48	73.94	74.39	74.84	75.30	75.75	76.20	76.66
17	77.11	77.56	78.02	78.47	78.93	79.38	79.83	80.29	80.74	81.19
18	81.65	82.10	82.55	83.01	83.46	83.91	84.37	84.82	85.28	85.73
19	86.18	86.64	87.09	87.54	88.00	88.45	88.90	89.36	89.81	90.26
20	90.72	91.17	91.63	92.08	92.53	92.99	93.44	93.89	94.35	94.80
21	95.25	95.71	96.16	96.62	97.07	97.52	97.98	98.43	98.88	99.34
22	99.79	100.24	100.70	101.15	101.60	102.06	102.51	102.97	103.42	103.87
23	104.33	104.78	105.23	105.69	106.14	106.59	107.05	107.50	107.95	108.41
24	108.86	109.32	109.77	110.22	110.68	111.13	111.58	112.04	112.49	112.94
25	113.40	113.85	114.31	114.76	115.21	115.67	116.12	116.57	117.03	117.48
26	117.93	118.39	118.84	119.29	119.75	120.20	120.66	121.11	121.56	122.02
27	122.47	122.92	123.38	123.83	124.28	124.74	125.19	125.65	126.10	126.55
28	127.01	127.46	127.91	128.37	128.82	129.27	129.73	130.18	130.63	131.09
29	131.54	132.00	132.45	132.90	133.36	133.81	134.26	134.72	135.17	135.62
30	136.08	136.53	136.98	137.44	137.89	138.35	138.80	139.25	139.71	140.16
31	140.61	141.07	141.52	141.97	142.43	142.88	143.34	143.79	144.24	144.70
32	145.15	145.60	146.06	146.51	146.96	147.42	147.87	148.32	148.78	149.23
33	149.69	150.14	150.59	151.05	151.50	151.95	152.41	152.86	153.31	153.77
34	154.22	154.68	155.13	155.58	156.04	156.49	156.94	157.40	157.85	158.30
35	158.76	159.21	159.66	160.12	160.57	161.03	161.48	161.93	162.39	162.84
36	163.29	163.75	164.20	164.65	165.11	165.56	166.01	166.47	166.92	167.38
37	167.83	168.28	168.74	169.19	169.64	170.10	170.55	171.00	171.46	171.91
38	172.37	172.82	173.27	173.73	174.18	174.63	175.09	175.54	175.99	176.45
39	176.90	177.35	177.81	178.26	178.72	179.17	179.62	180.08	180.53	180.98
40	181.44	181.89	182.34	182.80	183.25	183.70	184.16	184.61	185.07	185.52
41	185.97	186.43	186.88	187.33	187.79	188.24	188.69	189.15	189.60	190.06
42	190.51	190.96	191.42	191.87	192.32	192.78	193.23	193.68	194.14	194.59
43	195.04	195.50	195.95	196.41	196.86	197.31	197.77	198.22	198.67	199.13
44	199.58	200.03	200.49	200.94	201.40	201.85	202.30	202.76	203.21	203.66
45	204.12	204.57	205.02	205.48	205.93	206.38	206.84	207.29	207.75	208.20
46	208.65	209.11	209.56	210.01	210.47	210.92	211.37	211.83	212.28	212.73
47	213.19	213.64	214.10	214.55	215.00	215.46	215.91	216.36	216.82	217.27
48	217.72	218.18	218.63	219.09	219.54	219.99	220.45	220.90	221.35	221.81
49	222.26	222.71	223.17	223.62	224.07	224.53	224.98	225.44	225.89	226.34

重 量

POUNDS AVOIRDUPOIS TO KILOGRAMS

1 Pound = 0.45359 Kilograms

Lbs.	Units									
	Tens	0	1	2	3	4	5	6	7	8
50	226.80	227.25	227.70	228.16	228.61	229.06	229.52	229.97	230.42	230.88
51	231.33	231.79	232.24	232.69	233.15	233.60	234.05	234.51	234.96	235.41
52	235.87	236.32	236.78	237.23	237.68	238.14	238.59	239.04	239.50	239.95
53	240.40	240.86	241.31	241.76	242.22	242.67	243.13	243.58	244.03	244.49
54	244.94	245.39	245.85	246.30	246.75	247.21	247.66	248.12	248.57	249.02
55	249.48	249.93	250.38	250.84	251.29	251.74	252.20	252.65	253.10	253.56
56	254.01	254.47	254.92	255.37	255.83	256.28	256.73	257.19	257.64	258.09
57	258.55	259.00	259.45	259.91	260.36	260.82	261.27	261.72	262.18	262.63
58	263.08	263.54	263.99	264.44	264.90	265.35	265.81	266.26	266.71	267.17
59	267.62	268.07	268.53	268.98	269.43	269.89	270.34	270.79	271.25	271.70
60	272.16	272.61	273.06	273.52	273.97	274.42	274.88	275.33	275.78	276.24
61	276.69	277.14	277.60	278.05	278.51	278.96	279.41	279.87	280.32	280.77
62	281.23	281.68	282.13	282.59	283.04	283.50	283.95	284.40	284.86	285.31
63	285.76	286.22	286.67	287.12	287.58	288.03	288.48	288.94	289.39	289.85
64	290.30	290.75	291.21	291.66	292.11	292.57	293.02	293.47	293.93	294.38
65	294.84	295.29	295.74	296.20	296.65	297.10	297.56	298.01	298.46	298.92
66	299.37	299.82	300.28	300.73	301.19	301.64	302.09	302.55	303.00	303.45
67	303.91	304.36	304.81	305.27	305.72	306.17	306.63	307.08	307.54	307.99
68	308.44	308.90	309.35	309.80	310.26	310.71	311.16	311.62	312.07	312.53
69	312.98	313.43	313.89	314.34	314.79	315.25	315.70	316.15	316.61	317.06
70	317.51	317.97	318.42	318.88	319.33	319.78	320.24	320.69	321.14	321.60
71	322.05	322.50	322.96	323.41	323.86	324.32	324.77	325.23	325.68	326.13
72	326.59	327.04	327.49	327.95	328.40	328.85	329.31	329.76	330.22	330.67
73	331.12	331.58	332.03	332.48	332.94	333.39	333.84	334.30	334.75	335.20
74	335.66	336.11	336.57	337.02	337.47	337.93	338.38	338.83	339.29	339.74
75	340.19	340.65	341.10	341.56	342.01	342.46	342.92	343.37	343.82	344.28
76	344.73	345.18	345.64	346.09	346.54	347.00	347.45	347.91	348.36	348.81
77	349.27	349.72	350.17	350.63	351.08	351.53	351.99	352.44	352.89	353.35
78	353.80	354.26	354.71	355.16	355.62	356.07	356.52	356.98	357.43	357.88
79	358.34	358.79	359.25	359.70	360.15	360.61	361.06	361.51	361.97	362.42
80	362.87	363.33	363.78	364.23	364.69	365.14	365.60	366.05	366.50	366.96
81	367.41	367.86	368.32	368.77	369.22	369.68	370.13	370.59	371.04	371.49
82	371.95	372.40	372.85	373.31	373.76	374.21	374.67	375.12	375.57	376.03
83	376.48	376.94	377.39	377.84	378.30	378.75	379.20	379.66	380.11	380.56
84	381.02	381.47	381.92	382.38	382.83	383.29	383.74	384.19	384.65	385.10
85	385.55	386.01	386.46	386.91	387.37	387.82	388.28	388.73	389.18	389.64
86	390.09	390.54	391.00	391.45	391.90	392.36	392.81	393.26	393.72	394.17
87	394.63	395.08	395.53	395.99	396.44	396.89	397.35	397.80	398.25	398.71
88	399.16	399.61	400.07	400.52	400.98	401.43	401.88	402.34	402.79	403.24
89	403.78	404.23	404.68	405.14	405.59	406.04	406.50	406.95	407.40	407.86
90	408.23	408.69	409.14	409.59	410.05	410.50	410.95	411.41	411.86	412.32
91	412.77	413.22	413.68	414.13	414.58	415.04	415.49	415.94	416.40	416.85
92	417.31	417.76	418.21	418.67	419.12	419.57	420.03	420.48	420.93	421.39
93	421.84	422.29	422.75	423.20	423.66	424.11	424.56	425.02	425.47	425.92
94	426.38	426.83	427.28	427.74	428.19	428.64	429.10	429.55	430.01	430.46
95	430.91	431.37	431.82	432.27	432.73	433.18	433.63	434.09	434.54	435.00
96	435.45	435.90	436.36	436.81	437.26	437.72	438.17	438.62	439.08	439.53
97	439.98	440.44	440.89	441.35	441.80	442.25	442.71	443.16	443.61	444.07
98	444.52	444.97	445.43	445.88	446.33	446.79	447.24	447.70	448.15	448.60
99	449.06	449.51	449.96	450.42	450.87	451.32	451.78	452.23	452.69	453.14

【26】單位長度重量之換算

KILOGRAMS PER METER TO POUNDS PER FOOT—1 kg/m=0.67197 lb./ft.

kg/m		Units								
Tens	0	1	2	3	4	5	6	7	8	9
0	.....	0.6720	1.3439	2.0159	2.6879	3.3599	4.0318	4.7038	5.3758	6.0477
1	6.7197	7.3917	8.0636	8.7356	9.4076	10.0796	10.7515	11.4235	12.0955	12.7674
2	13.4394	14.1114	14.7833	15.4553	16.1273	16.7993	17.4712	18.1432	18.8152	19.4871
3	20.1591	20.8311	21.5030	22.1750	22.8470	23.5190	24.1909	24.8629	25.5349	26.2068
4	26.8788	27.5508	28.2227	28.8947	29.5667	30.2387	30.9106	31.5826	32.2546	32.9265
5	33.5985	34.2705	34.9424	35.6144	36.2864	36.9584	37.6303	38.3023	38.9743	39.6462
6	40.3182	40.9902	41.6621	42.3341	43.0061	43.6781	44.3500	45.0220	45.6940	46.3659
7	47.0379	47.7099	48.3818	49.0538	49.7258	50.3977	51.0697	51.7417	52.4137	53.0856
8	53.7576	54.4296	55.1015	55.7735	56.4455	57.1175	57.7894	58.4614	59.1334	59.8053
9	60.4773	61.1493	61.8212	62.4932	63.1652	63.8372	64.5091	65.1811	65.8531	66.5250

KILOGRAMS PER METER TO POUNDS PER YARD—1 kg/m=2.015913 lb./yd.

kg/m		Units								
Tens	0	1	2	3	4	5	6	7	8	9
0	.....	2.016	4.032	6.048	8.064	10.080	12.095	14.111	16.127	18.143
1	20.159	22.175	24.191	26.207	28.223	30.239	32.255	34.271	36.286	38.302
2	40.318	42.334	44.350	46.366	48.382	50.398	52.414	54.430	56.446	58.461
3	60.477	62.493	64.509	66.525	68.541	70.557	72.573	74.589	76.605	78.621
4	80.637	82.652	84.668	86.684	88.700	90.716	92.732	94.748	96.764	98.780
5	100.796	102.812	104.827	106.843	108.859	110.875	112.891	114.907	116.923	118.939
6	120.955	122.971	124.987	127.003	129.018	131.034	133.050	135.066	137.082	139.098
7	141.114	143.130	145.146	147.162	149.178	151.193	153.209	155.225	157.241	159.257
8	161.273	163.289	165.305	167.321	169.337	171.353	173.369	175.384	177.400	179.416
9	181.432	183.448	185.464	187.480	189.496	191.512	193.528	195.544	197.559	199.575

POUNDS PER FOOT TO KILOGRAMS PER METER—1 lb./ft.=1.488161 kg/m

Lb./Ft.		Units								
Tens	0	1	2	3	4	5	6	7	8	9
0	.....	1.488	2.976	4.464	5.953	7.441	8.929	10.417	11.905	13.393
1	14.882	16.370	17.858	19.346	20.834	22.322	23.811	25.299	26.787	28.275
2	29.763	31.251	32.740	34.228	35.716	37.204	38.692	40.180	41.669	43.157
3	44.645	46.133	47.621	49.109	50.597	52.086	53.574	55.062	56.550	58.038
4	59.526	61.015	62.503	63.991	65.479	66.967	68.455	69.944	71.432	72.920
5	74.408	75.896	77.384	78.873	80.361	81.849	83.337	84.825	86.313	87.801
6	89.290	90.778	92.266	93.754	95.242	96.730	98.219	99.707	101.195	102.683
7	104.171	105.659	107.148	108.636	110.124	111.612	113.100	114.588	116.077	117.565
8	119.053	120.541	122.029	123.517	125.006	126.494	127.982	129.470	130.958	132.446
9	133.934	135.423	136.911	138.399	139.887	141.375	142.863	144.352	145.840	147.328

POUNDS PER YARD TO KILOGRAMS PER METER—1 lb./yd.=0.496053 kg/m

Lb./Ft.		Units								
Tens	0	1	2	3	4	5	6	7	8	9
0	.....	0.4961	0.9921	1.4882	1.9842	2.4803	2.9763	3.4724	3.9684	4.4645
1	4.9605	5.4566	5.9526	6.4487	6.9447	7.4408	7.9368	8.4329	8.9290	9.4250
2	9.9211	10.4171	10.9132	11.4092	11.9053	12.4013	12.8974	13.3934	13.8895	14.3855
3	14.8816	15.3776	15.8737	16.3697	16.8658	17.3619	17.8579	18.3540	18.8500	19.3461
4	19.8421	20.3382	20.8342	21.3303	21.8263	22.3224	22.8184	23.3145	23.8105	24.3066
5	24.8027	25.2987	25.7948	26.2908	26.7869	27.2829	27.7790	28.2750	28.7711	29.2671
6	29.7632	30.2592	30.7553	31.2513	31.7474	32.2434	32.7395	33.2356	33.7316	34.2277
7	34.7237	35.2198	35.7158	36.2119	36.7079	37.2040	37.7000	38.1961	38.6921	39.1882
8	39.6842	40.1803	40.6763	41.1724	41.6685	42.1645	42.6606	43.1566	43.6527	44.1487
9	44.6448	45.1408	45.6369	46.1329	46.6290	47.1250	47.6211	48.1171	48.6132	49.1092

亩公分幾克	亩吋幾磅	亩吋幾磅	亩呎幾磅	亩公尺幾公斤	亩英里幾短噸	亩英里幾長噸	亩公里幾公噸
/	391963	0005600	0057200	0100000	0117400	0158390	0100000
002551	/	000143	0001714	0002551	0004626	0004041	0002551
17857900	7000000	/	12000000	17857900	31620000	28285700	17857900
1428160	5233330	0033333	/	1428160	2640000	2357140	1428160
1000000	3919630	0056000	0571970	/	1774000	1583930	/
563698	2209600	0031570	0378790	0563700	/	0292860	0563700
6.31342	2474750	0035350	0424240	0631340	1120000	/	0631340

【27】 壓 力 之 換 算

單位面積重量之換算(壓力)					
亩方公尺幾公斤	亩方吋幾磅	亩方呎幾磅	亩方呎幾短噸	亩方呎幾長噸	亩方公尺幾公噸
1	0001422	0204220	00001024	0000111	00010000
70306705	1	144000000	00720000	00642960	07030670
422241	0002944	1	00002000	00004460	00042224
976422000	13822200	2000000000	1	03922600	97642200
1093561000	15554160	2240000000	11200000	1	109356100
100000000	1422150	204803200	01024016	00214300	1

POUNDS PER SQ. FOOT TO KILOGRAMS PER SQ. METER

1 lb./ft.<sup>2</sup> = 4.882407 kg/m<sup>2</sup>

Lb./ft. <sup>2</sup>	Units										
	Tens	0	1	2	3	4	5	6	7	8	9
0	.....	4.882	9.765	14.647	19.530	24.412	29.294	34.177	39.059	43.942	
1	48.824	53.706	58.589	63.471	68.354	73.236	78.119	83.001	87.883	92.766	
2	97.648	102.531	107.413	112.295	117.178	122.060	126.943	131.825	136.707	141.590	
3	146.472	151.355	156.237	161.119	166.002	170.884	175.767	180.649	185.531	190.414	
4	195.296	200.179	205.061	209.944	214.826	219.708	224.591	229.473	234.356	239.238	
5	244.120	249.003	253.885	258.768	263.650	268.532	273.415	278.297	283.180	288.062	
6	292.944	297.827	302.709	307.592	312.474	317.356	322.239	327.121	332.004	336.886	
7	341.768	346.651	351.533	356.416	361.298	366.181	371.063	375.945	380.828	385.710	
8	390.593	395.475	400.357	405.240	410.122	415.005	419.887	424.769	429.652	434.534	
9	439.417	444.299	449.181	454.064	458.946	463.829	468.711	473.593	478.476	483.358	

POUNDS PER SQ. IN. TO KG PER SQ. CM—1 lb./in.<sup>2</sup> = 0.0703067 kg/cm<sup>2</sup>

Lb./in. <sup>2</sup>	Units										
	Tens	0	1	2	3	4	5	6	7	8	9
0	.....	0.07031	0.14061	0.21092	0.28123	0.35153	0.42184	0.49215	0.56245	0.63276	
1	0.70307	0.77337	0.84368	0.91399	0.98429	1.05460	1.12491	1.19521	1.26552	1.33583	
2	1.40613	1.47644	1.54675	1.61705	1.68736	1.75767	1.82797	1.89828	1.96859	2.03889	
3	2.10920	2.17951	2.24981	2.32012	2.39043	2.46073	2.53104	2.60135	2.67165	2.74196	
4	2.81227	2.88257	2.95288	3.02319	3.09349	3.16380	3.23411	3.30441	3.37472	3.44503	
5	3.51534	3.58564	3.65595	3.72626	3.79656	3.86687	3.93718	4.00748	4.07779	4.14810	
6	4.21840	4.28871	4.35902	4.42932	4.49963	4.56994	4.64024	4.71055	4.78086	4.85116	
7	4.92147	4.99178	5.06208	5.13239	5.20270	5.27300	5.34331	5.41362	5.48392	5.55423	
8	5.62454	5.69484	5.76515	5.83546	5.90576	5.97607	6.04638	6.11668	6.18699	6.25730	
9	6.32760	6.39791	6.46822	6.53852	6.60883	6.67914	6.74944	6.81975	6.89006	6.96036	

KG PER SQ. CM TO POUNDS PER SQ. IN.—1 kg/cm<sup>2</sup> = 14.2234 lbs./in.<sup>2</sup>

kg/cm <sup>2</sup>	Units										
	Tens	0	1	2	3	4	5	6	7	8	9
0	.....	14.22	28.45	42.67	56.89	71.12	85.34	99.56	113.79	128.01	
1	142.23	156.46	170.68	184.90	199.13	213.35	227.57	241.80	256.02	270.24	
2	284.47	298.69	312.91	327.14	341.36	355.59	369.81	384.03	398.26	412.48	
3	426.70	440.93	455.15	469.37	483.60	497.82	512.04	526.27	540.49	554.71	
4	568.94	583.16	597.38	611.61	625.83	640.05	654.28	668.50	682.72	696.95	
5	711.17	725.39	739.62	753.84	768.06	782.29	796.51	810.73	824.96	839.18	
6	853.40	867.63	881.85	896.07	910.30	924.52	938.74	952.97	967.19	981.41	
7	995.64	1009.86	1024.08	1038.31	1052.53	1066.76	1080.98	1095.20	1109.43	1123.65	
8	1137.87	1152.10	1166.32	1180.54	1194.77	1208.99	1223.21	1237.44	1251.66	1265.88	
9	1280.11	1294.33	1308.55	1322.78	1337.00	1351.22	1365.45	1379.67	1393.89	1408.12	



第一編 換算表

KILOGRAMS PER SQ. METER TO POUNDS PER SQ. FOOT

1 kg/m<sup>2</sup> = 0.204817 lb./ft.<sup>2</sup>

kg/m <sup>2</sup> Tena	Units									
	0	1	2	3	4	5	6	7	8	9
0	.....	0.2048	0.4096	0.6145	0.8193	1.0241	1.2289	1.4337	1.6385	1.8434
1	2.0482	2.2530	2.4578	2.6626	2.8674	3.0723	3.2771	3.4819	3.6867	3.8915
2	4.0963	4.3012	4.5060	4.7108	4.9156	5.1204	5.3252	5.5301	5.7349	5.9397
3	6.1445	6.3493	6.5541	6.7590	6.9638	7.1686	7.3734	7.5782	7.7830	7.9879
4	8.1927	8.3975	8.6023	8.8071	9.0119	9.2168	9.4216	9.6264	9.8312	10.0360
5	10.2409	10.4457	10.6505	10.8553	11.0601	11.2649	11.4698	11.6746	11.8794	12.0842
6	12.2890	12.4938	12.6987	12.9035	13.1083	13.3131	13.5179	13.7227	13.9276	14.1324
7	14.3372	14.5420	14.7468	14.9516	15.1565	15.3613	15.5661	15.7709	15.9757	16.1805
8	16.3854	16.5902	16.7950	16.9998	17.2046	17.4094	17.6143	17.8191	18.0239	18.2287
9	18.4335	18.6383	18.8432	19.0480	19.2528	19.4576	19.6624	19.8672	20.0721	20.2769
10	20.4817	20.6865	20.8913	21.0962	21.3010	21.5058	21.7106	21.9154	22.1202	22.3251
11	22.5299	22.7347	22.9395	23.1443	23.3491	23.5540	23.7588	23.9636	24.1684	24.3732
12	24.5780	24.7828	24.9877	25.1925	25.3973	25.6021	25.8069	26.0118	26.2166	26.4214
13	26.6262	26.8310	27.0358	27.2407	27.4455	27.6503	27.8551	28.0599	28.2647	28.4696
14	28.6744	28.8792	29.0840	29.2888	29.4936	29.6985	29.9033	30.1081	30.3129	30.5177
15	30.7226	30.9274	31.1322	31.3370	31.5418	31.7466	31.9515	32.1563	32.3611	32.5659
16	32.7707	32.9755	33.1804	33.3852	33.5900	33.7948	33.9996	34.2044	34.4093	34.6141
17	34.8189	35.0237	35.2285	35.4333	35.6382	35.8430	36.0478	36.2526	36.4574	36.6622
18	36.8671	37.0719	37.2767	37.4815	37.6863	37.8911	38.0960	38.3008	38.5056	38.7104
19	38.9152	39.1200	39.3249	39.5297	39.7345	39.9393	40.1441	40.3489	40.5538	40.7586
20	40.9634	41.1682	41.3730	41.5779	41.7827	41.9875	42.1923	42.3971	42.6019	42.8068
21	43.0116	43.2164	43.4212	43.6260	43.8308	44.0357	44.2405	44.4453	44.6501	44.8549
22	45.0597	45.2646	45.4694	45.6742	45.8790	46.0838	46.2886	46.4935	46.6983	46.9031
23	47.1079	47.3127	47.5175	47.7224	47.9272	48.1320	48.3368	48.5416	48.7464	48.9513
24	49.1561	49.3609	49.5657	49.7705	49.9753	50.1802	50.3850	50.5898	50.7946	50.9994
25	51.2043	51.4091	51.6139	51.8187	52.0235	52.2283	52.4332	52.6380	52.8428	53.0476
26	53.2524	53.4572	53.6621	53.8669	54.0717	54.2765	54.4813	54.6861	54.8910	55.0958
27	55.3006	55.5054	55.7102	55.9150	56.1199	56.3247	56.5295	56.7343	56.9391	57.1439
28	57.3488	57.5536	57.7584	57.9632	58.1680	58.3728	58.5777	58.7825	58.9873	59.1921
29	59.3969	59.6017	59.8066	60.0114	60.2162	60.4210	60.6258	60.8306	61.0355	61.2403
30	61.4451	61.6499	61.8547	62.0596	62.2644	62.4692	62.6740	62.8788	63.0836	63.2885
31	63.4933	63.6981	63.9029	64.1077	64.3125	64.5174	64.7222	64.9270	65.1318	65.3366
32	65.5414	65.7463	65.9511	66.1559	66.3607	66.5655	66.7703	66.9752	67.1800	67.3848
33	67.5896	67.7944	67.9992	68.2041	68.4089	68.6137	68.8185	69.0233	69.2281	69.4330
34	69.6378	69.8426	70.0474	70.2522	70.4570	70.6619	70.8667	71.0715	71.2763	71.4811
35	71.6860	71.8908	72.0956	72.3004	72.5052	72.7100	72.9149	73.1197	73.3245	73.5293
36	73.7341	73.9389	74.1438	74.3486	74.5534	74.7582	74.9630	75.1678	75.3727	75.5775
37	75.7823	75.9871	76.1919	76.3967	76.6016	76.8064	77.0112	77.2160	77.4208	77.6256
38	77.8305	78.0353	78.2401	78.4449	78.6497	78.8545	79.0594	79.2642	79.4690	79.6738
39	79.8786	80.0834	80.2883	80.4931	80.6979	80.9027	81.1075	81.3123	81.5172	81.7220

【28】 密率之換算

單位體積重量之換算(密率)

由立方公分換磅	由立方吋換磅	由立方呎換磅	由立方公尺換公斤	由立方尺換基斤	由立方公尺換市斤	由英加倫換磅	由美加倫換磅
1	0.0261300	62.42850	1.0000000	5.4856000	7.409851	10.017910	8.345450
27679700	1	172800000	2767970000	1519.76144	205023537	277.274000	231.030000
0.016020	0.0005787	1	16.01840	0.87245	1.18655	0.160470	0.133690
0.001000	0.0000361	0.06243	1	0.05485	0.07407	0.010018	0.008345
0.018293	0.0006570	1.13685	18.29310	1	1.34920	0.182430	0.151706
0.013513	0.0004880	0.844280	13.51341	0.74114	1	0.135324	0.112742
0.100780	0.0036070	6.23441	100.78000	5.48341	7.39260	1	0.833100
0.119366	0.0043126	7.46265	119.36600	6.55190	8.84201	1.200300	1