

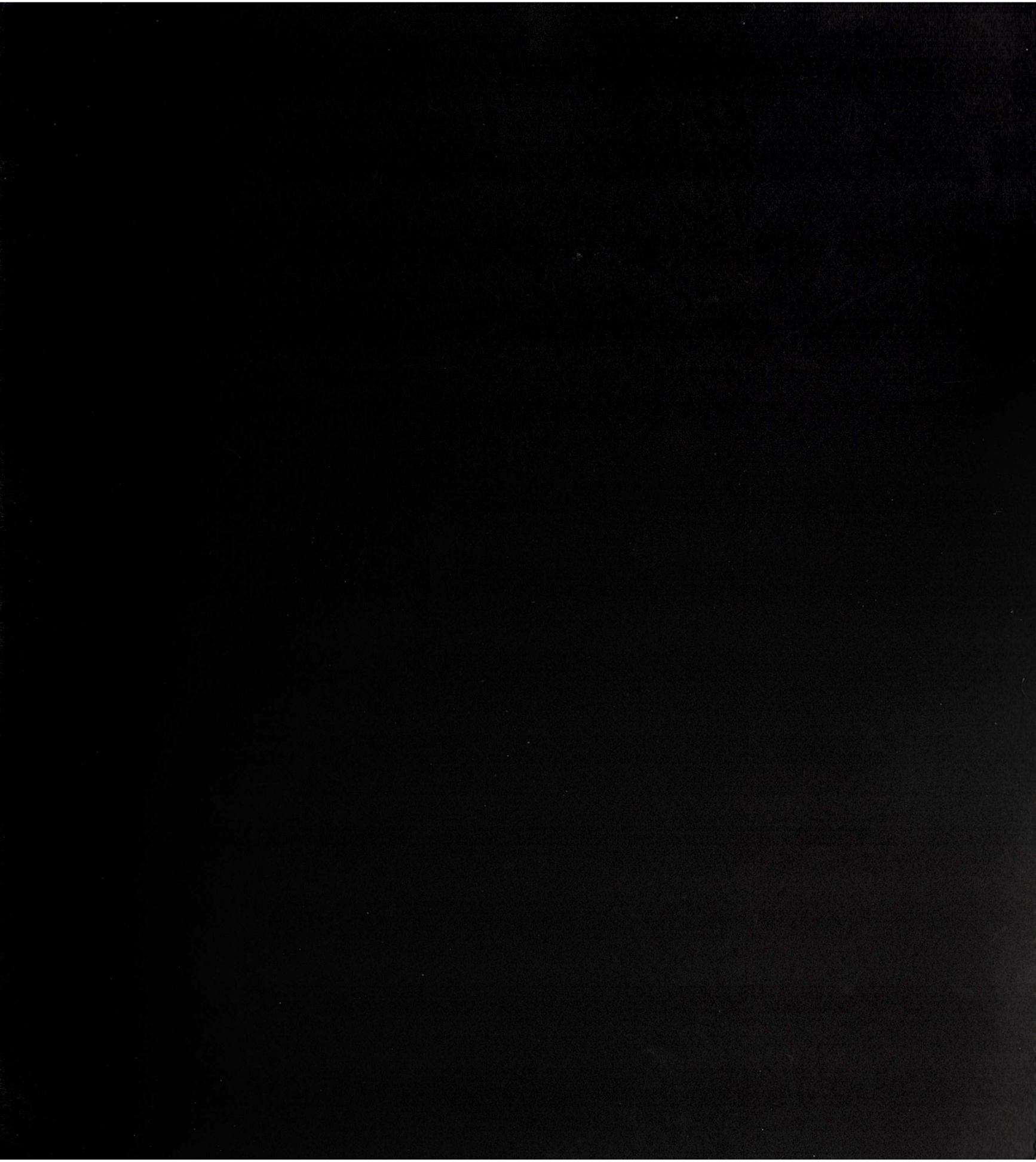
CALCULATOR

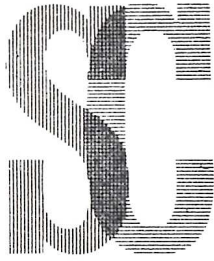
CHARTS

by

SUMLOCK COMPTOMETER LIMITED

39, ST. JAMES'S STREET, LONDON, S.W.1.





SUMLOCK COMPTOMETER

CALCULATOR

CHARTS

I N D E X

<u>NUMBER OF CHART</u>	DESCRIPTION
1	Pence and Farthings as decimals of a Shilling or £1.
2	Pence, Eighths, and Sixteenths as decimals of a Shilling
3	Pence, Eighths, and Sixteenths as decimals of £1.
4	Qrs. and Lbs. as decimals of a Cwt.
5	Qrs. and Lbs. as decimals of a Ton.
6	Common Fractions and their Decimal Equivalentents
7	Reciprocals
8	Decimals of a Gross
9	Minutes as decimals of one hour
10	Feet, Inches and Eighths of an Inch as decimals of a Yard
11	Timber – decimals of one Standard
12	Cloth Metric Conversion – for widths of 20 inches and upwards
13	Warp and Beam Weight Calculations for Cotton Yarns
14	Daily Interest based on a 365 Day Year
15	Daily Interest based on a 366 Day Year
16	Daily Interest based on a 360 Day Year How to use the Daily Interest Charts
17	Areas and Volumes Formulae

Pence and Farthings as Decimals of a Shilling

	0	1	2	3	4	5	6	7	8	9	10	11	
		.083333	.166666	.25	.333333	.416666	.5	.583333	.666666	.75	.833333	.916666	
1/4	.020833	.104166	.1875	.270833	.354166	.4375	.520833	.604166	.6875	.770833	.854166	.9375	1/4
1/2	.041666	.125	.208333	.291666	.375	.458333	.541666	.625	.708333	.791666	.875	.958333	1/2
3/4	.0625	.145833	.229166	.3125	.395833	.479166	.5625	.645833	.729166	.8125	.895833	.979166	3/4

Pence and Farthings as Decimals of a £

	0	1	2	3	4	5	6	7	8	9	10	11	
		.004166	.008333	.0125	.016666	.020833	.025	.029166	.033333	.0375	.041666	.045833	
1/4	.0010416	.0052083	.009375	.0135416	.0177083	.021875	.0260416	.0302083	.034375	.03854166	.0427083	.046875	1/4
1/2	.0020833	.00625	.0104166	.0145833	.01875	.0229166	.0270833	.03125	.0354166	.0395833	.04375	.0479166	1/2
3/4	.003125	.0072916	.0114583	.015625	.0197916	.0239583	.028125	.0322916	.0364583	.040625	.0447916	.0489583	3/4

Pence, eighths and sixteenths as decimals of a Shilling

Eighths

Pence		1/8	3/8	5/8	7/8
0		.010416	.03125	.052083	.072916
1	.083333	.09375	.114583	.135416	.15625
2	.166666	.177083	.197916	.21875	.239583
3	.25	.260416	.28125	.302083	.322916
4	.333333	.34375	.364583	.385416	.40625
5	.416666	.427083	.447916	.46875	.489583
6	.5	.510416	.53125	.552083	.572916
7	.583333	.59375	.614583	.635416	.65625
8	.666666	.677083	.697916	.71875	.739583
9	.75	.760416	.78125	.802083	.822916
10	.833333	.84375	.864583	.885416	.90625
11	.916666	.927083	.947916	.96875	.989583

Sixteenths

Pence		1/16	3/16	5/16	7/16	9/16	11/16	13/16	15/16
0		.005208	.015625	.026042	.036458	.046875	.057292	.067708	.078125
1	.083333	.088542	.098958	.109375	.119792	.130208	.140625	.151042	.161458
2	.166666	.171875	.182292	.192708	.203125	.213542	.223958	.234375	.244792
3	.25	.255208	.265625	.276042	.286458	.296875	.307292	.317708	.328125
4	.333333	.338542	.348958	.359375	.369792	.380208	.390625	.401042	.411458
5	.416666	.421875	.432292	.442708	.453125	.463542	.473958	.484375	.494792
6	.5	.505208	.515625	.526042	.536458	.546875	.557292	.567708	.578125
7	.583333	.588542	.598958	.609375	.619792	.630208	.640625	.651042	.661458
8	.666666	.671875	.682292	.692708	.703125	.713542	.723958	.734375	.744792
9	.75	.755208	.765625	.776042	.786458	.796875	.807292	.817708	.828125
10	.833333	.838542	.848958	.859375	.869792	.880208	.890625	.901042	.911458
11	.916666	.921875	.932292	.942708	.953125	.963542	.973958	.984375	.994792

Pence, eighths and sixteenths as decimals of £1

Eighths

Pence		1/8	3/8	5/8	7/8
0		.0005208	.0015625	.0026042	.0036458
1	.004166	.0046875	.0057292	.0067708	.0078125
2	.0083333	.0088542	.0098958	.0109375	.0119792
3	.0125	.0130208	.0140625	.0151042	.0161458
4	.0166666	.0171875	.0182292	.0192708	.0203125
5	.0208333	.0213542	.0223958	.0234375	.0244792
6	.025	.0255208	.0265625	.0276042	.0286458
7	.0291666	.0296875	.0307292	.0317708	.0328125
8	.0333333	.0338542	.0348958	.0359375	.0369792
9	.0375	.0380208	.0390625	.0401042	.0411458
10	.0416666	.0421875	.0432292	.0442708	.0453125
11	.0458333	.0463542	.0473958	.0484375	.0494792

Sixteenths

Pence		1/16	3/16	5/16	7/16	9/16	11/16	13/16	15/16
0		.00026042	.00078125	.00130208	.00182292	.00234375	.00286458	.00338542	.00390625
1	.004166	.00442708	.00494792	.00546875	.00598958	.00651042	.00703125	.00755208	.00807292
2	.0083333	.00859375	.00911458	.00963542	.01015625	.01067708	.01119792	.01171875	.01223958
3	.0125	.01276042	.01328125	.01380208	.01432292	.01484375	.01536458	.01588542	.01640625
4	.0166666	.01692708	.01744792	.01796875	.01848958	.01901042	.01953125	.02005208	.02057292
5	.0208333	.02109375	.02161458	.02213542	.02265625	.02317708	.02369792	.02421875	.02473958
6	.025	.02526042	.02578125	.02630208	.02682292	.02734375	.02786458	.02838542	.02890625
7	.0291666	.02942708	.02994792	.03046875	.03098958	.03151042	.03203125	.03255208	.03307292
8	.0333333	.03359375	.03411458	.03463542	.03515625	.03567708	.03619792	.03671875	.03723958
9	.0375	.03776042	.03828125	.03880208	.03932292	.03984375	.04036458	.04088542	.04140625
10	.0416666	.04192708	.04244792	.04296875	.04348958	.04401042	.04453125	.04505208	.04557292
11	.0458333	.04609375	.04661458	.04713542	.04765625	.04817708	.04869792	.04921875	.04973958

Qrs. and Lbs. as decimals of a Cwt.

28 lbs. = 1 qr.
 4 qrs. = 1 cwt.
 112 lbs. = 1 cwt.

Qrs.	Lbs.	Decimal	Qrs.	Lbs.	Decimal	Qrs.	Lbs.	Decimal	Qrs.	Lbs.	Decimal
-	½	.004464	1	0	.25	2	0	.5	3	0	.75
-	1	.008929	1	1	.258929	2	1	.508929	3	1	.758929
-	2	.017857	1	2	.267857	2	2	.517857	3	2	.767857
-	3	.026786	1	3	.276786	2	3	.526786	3	3	.776786
-	4	.035714	1	4	.285714	2	4	.535714	3	4	.785714
-	5	.044643	1	5	.294643	2	5	.544643	3	5	.794643
-	6	.053571	1	6	.303571	2	6	.553571	3	6	.803571
-	7	.0625	1	7	.3125	2	7	.5625	3	7	.8125
-	8	.071429	1	8	.321429	2	8	.571429	3	8	.821429
-	9	.080357	1	9	.330357	2	9	.580357	3	9	.830357
-	10	.089286	1	10	.339286	2	10	.589286	3	10	.839286
-	11	.098214	1	11	.348214	2	11	.598214	3	11	.848214
-	12	.107143	1	12	.357143	2	12	.607143	3	12	.857143
-	13	.116071	1	13	.366071	2	13	.616071	3	13	.866071
-	14	.125	1	14	.375	2	14	.625	3	14	.875
-	15	.133929	1	15	.383929	2	15	.633929	3	15	.883929
-	16	.142857	1	16	.392857	2	16	.642857	3	16	.892857
-	17	.151786	1	17	.401786	2	17	.651786	3	17	.901786
-	18	.160714	1	18	.410714	2	18	.660714	3	18	.910714
-	19	.169643	1	19	.419643	2	19	.669643	3	19	.919643
-	20	.178571	1	20	.428571	2	20	.678571	3	20	.928571
-	21	.1875	1	21	.4375	2	21	.6875	3	21	.9375
-	22	.196429	1	22	.446429	2	22	.696429	3	22	.946429
-	23	.205357	1	23	.455357	2	23	.705357	3	23	.955357
-	24	.214286	1	24	.464286	2	24	.714286	3	24	.964286
-	25	.223214	1	25	.473214	2	25	.723214	3	25	.973214
-	26	.232143	1	26	.482143	2	26	.732143	3	26	.982143
-	27	.241071	1	27	.491071	2	27	.741071	3	27	.991071

28 lbs. = 1 qr.
 4 qrs. = 1 cwt.
 20 cwts. = 1 ton
 2240 lbs. = 1 ton

Qrs. and Lbs. as decimals of a Ton.

Qrs.	Lbs.	Decimal	Qrs.	Lbs.	Decimal	Qrs.	Lbs.	Decimal	Qrs.	Lbs.	Decimal
-	½	.0002232	1	0	.0125	2	0	.025	3	0	.0375
-	1	.0004464	1	1	.0129464	2	1	.0254464	3	1	.0379464
-	2	.0008929	1	2	.0133929	2	2	.0258929	3	2	.0383929
-	3	.0013393	1	3	.0138393	2	3	.0263393	3	3	.0388393
-	4	.0017857	1	4	.0142857	2	4	.0267857	3	4	.0392857
-	5	.0022321	1	5	.0147321	2	5	.0272321	3	5	.0397321
-	6	.0026786	1	6	.0151786	2	6	.0276786	3	6	.0401786
-	7	.003125	1	7	.015625	2	7	.028125	3	7	.040625
-	8	.0035714	1	8	.0160714	2	8	.0285714	3	8	.0410714
-	9	.0040179	1	9	.0165179	2	9	.0290179	3	9	.0415179
-	10	.0044643	1	10	.0169643	2	10	.0294643	3	10	.0419643
-	11	.0049107	1	11	.0174107	2	11	.0299107	3	11	.0424107
-	12	.0053571	1	12	.0178571	2	12	.0303571	3	12	.0428571
-	13	.0058036	1	13	.0183036	2	13	.0308036	3	13	.0433036
-	14	.00625	1	14	.01875	2	14	.03125	3	14	.04375
-	15	.0066964	1	15	.0191964	2	15	.0316964	3	15	.0441964
-	16	.0071429	1	16	.0196429	2	16	.0321429	3	16	.0446429
-	17	.0075893	1	17	.0200893	2	17	.0325893	3	17	.0450893
-	18	.0080357	1	18	.0205357	2	18	.0330357	3	18	.0455357
-	19	.0084821	1	19	.0209821	2	19	.0334821	3	19	.0459821
-	20	.0089286	1	20	.0214286	2	20	.0339286	3	20	.0464286
-	21	.009375	1	21	.021875	2	21	.034375	3	21	.046875
-	22	.0098214	1	22	.0223214	2	22	.0348214	3	22	.0473214
-	23	.0102679	1	23	.0227679	2	23	.0352679	3	23	.0477679
-	24	.0107143	1	24	.0232143	2	24	.0357143	3	24	.0482143
-	25	.0111607	1	25	.0236607	2	25	.0361607	3	25	.0486607
-	26	.0116071	1	26	.0241071	2	26	.0366071	3	26	.0491071
-	27	.0120536	1	27	.0245536	2	27	.0370536	3	27	.0495536

Common Fractions and their Decimal Equivalents

1/2		1/3		1/4		1/5		1/6		1/7		1/8		1/12		1/16		1/32		1/64					
1	.5	1	.3	1	.25	1	.2	1	.166	1	.142857	1	.125	1	.083	1	.0625	1	.03125	1	.015625	33	.515625		
		2	.6	2	.50	2	.4	2	.333	2	.285714	2	.25	2	.166	2	.125	2	.0625	2	.03125	2	.03125	34	.53125
				3	.75	3	.6	3	.5	3	.428571	3	.375	3	.25	3	.1875	3	.09375	3	.046875	3	.046875	35	.546875
						4	.8	4	.666	4	.571429	4	.5	4	.333	4	.25	4	.125	4	.0625	4	.0625	36	.5625
								5	.833	5	.714286	5	.625	5	.416	5	.3125	5	.15625	5	.078125	5	.078125	37	.578125
										6	.857143	6	.75	6	.5	6	.375	6	.1875	6	.09375	6	.09375	38	.59375
												7	.875	7	.583	7	.4375	7	.21875	7	.109375	7	.109375	39	.609375
														8	.666	8	.5	8	.25	8	.125	8	.125	40	.625
														9	.75	9	.5625	9	.28125	9	.140625	9	.140625	41	.640625
												10	.833	10	.625	10	.3125	10	.15625	10	.15625	10	.15625	42	.65625
												11	.916	11	.6875	11	.34375	11	.171875	11	.171875	11	.171875	43	.671875
																12	.75	12	.375	12	.1875	12	.1875	44	.6875
																13	.8125	13	.40625	13	.203125	13	.203125	45	.703125
																14	.875	14	.4375	14	.21875	14	.21875	46	.71875
																15	.9375	15	.46875	15	.234375	15	.234375	47	.734375
																		16	.5	16	.25	16	.25	48	.75
																		17	.53125	17	.265625	17	.265625	49	.765625
																		18	.5625	18	.28125	18	.28125	50	.78125
																		19	.59375	19	.296875	19	.296875	51	.796875
																		20	.625	20	.3125	20	.3125	52	.8125
																		21	.65625	21	.328125	21	.328125	53	.828125
																		22	.6875	22	.34375	22	.34375	54	.84375
																		23	.71875	23	.359375	23	.359375	55	.859375
																		24	.75	24	.375	24	.375	56	.875
																		25	.78125	25	.390625	25	.390625	57	.890625
																		26	.8125	26	.40625	26	.40625	58	.90625
																		27	.84375	27	.421875	27	.421875	59	.921875
																		28	.875	28	.4375	28	.4375	60	.9375
																		29	.90625	29	.453125	29	.453125	61	.953125
																		30	.9375	30	.46875	30	.46875	62	.96875
																		31	.96875	31	.484375	31	.484375	63	.984375
																				32	.5	32	.5		

Reciprocals

To convert:-		Multiply by:-
Kilos to lbs.	×	2.20462262
" " cwts.	×	.01968413
" " tons	×	.000984207
Lbs to kilos	×	.45359237
" " grammes	×	453.59237
Oz " "	×	28.34952313
Grammes to lbs.	×	.00220462
" " oz.	×	.03527396
Metres to Yards	×	1.0936133
" " Feet	×	3.28083989
" " Inches	×	39.37007874
Millimetres to Inches	×	.03937008
Yards to Metres	×	.9144
Feet " "	×	.3048
Inches " "	×	.0254
" " Millimetres	×	25.4
Sq. Metres to Sq. Yards	×	1.19599005
" " " " Feet	×	10.76391041
Sq. Yards to Sq. Metres	×	.83612736
" Feet " " "	×	.09290304
Cubic Metres to Cubic Yards	×	1.30795052
" " " " Feet	×	35.31466672
Cubic Yards to Cubic Metres	×	.76455486
" Feet " " "	×	.02831685
Litres to Gallons	×	.219975
" " Pints	×	1.7598
Gallons to Litres	×	4.54596
Pints " "	×	.568246

Decimals of a Gross

12 Singles = 1 Dozen
 12 Dozen = 1 Gross
 144 Singles = 1 Gross

Dozens	Singles	Decimals	Dozens	Singles	Decimals	Dozens	Singles	Decimals	Dozens	Singles	Decimals
0	0		3	0	.25	6	0	.5	9	0	.75
0	1	.0069444	3	1	.25694	6	1	.50694	9	1	.75694
	2	.01389		2	.26389		2	.51389		2	.76389
	3	.020833		3	.27083		3	.52083		3	.77083
0	4	.02778	3	4	.27778	6	4	.52778	9	4	.7778
	5	.034722		5	.28472		5	.53472		5	.78472
	6	.04167		6	.29167		6	.54167		6	.79167
	7	.048611		7	.29861		7	.54861		7	.79861
0	8	.05556	3	8	.30556	6	8	.55556	9	8	.80556
	9	.0625		9	.3125		9	.5625		9	.8125
	10	.069444		10	.31944		10	.56944		10	.81944
	11	.07639		11	.32639		11	.57639		11	.82639
1	0	.08333	4	0	.33333	7	0	.58333	10	0	.83333
	1	.09028		1	.34028		1	.59028		1	.84028
	2	.09722		2	.34722		2	.59722		2	.84722
	3	.10417		3	.35417		3	.60417		3	.85417
1	4	.11111	4	4	.36111	7	4	.61111	10	4	.86111
	5	.11806		5	.36806		5	.61806		5	.86806
	6	.125		6	.375		6	.625		6	.875
	7	.13194		7	.38194		7	.63194		7	.88194
1	8	.13889	4	8	.38889	7	8	.63889	10	8	.88889
	9	.14583		9	.39583		9	.64583		9	.89583
	10	.15278		10	.40278		10	.65278		10	.90278
	11	.15972		11	.40972		11	.65972		11	.90972
2	0	.16666	5	0	.41666	8	0	.66666	11	0	.91666
	1	.17361		1	.42361		1	.67361		1	.92361
	2	.18056		2	.43056		2	.68056		2	.93056
	3	.1875		3	.4375		3	.6875		3	.9375
2	4	.19444	5	4	.44444	8	4	.69444	11	4	.94444
	5	.20139		5	.45139		5	.70139		5	.95139
	6	.20833		6	.45833		6	.70833		6	.95833
	7	.21528		7	.46528		7	.71528		7	.96528
2	8	.22222	5	8	.47222	8	8	.72222	11	8	.97222
	9	.22917		9	.47917		9	.72917		9	.97917
	10	.23611		10	.48611		10	.73611		10	.98611
	11	.24306		11	.49306		11	.74306		11	.99306

Minutes as Decimals of an Hour

Minutes	Decimals	Minutes	Decimals	Minutes	Decimals
1	.016666̇	21	.35	41	.683333̇
2	.033333̇	22	.366666̇	42	.7
3	.05	23	.383333̇	43	.716666̇
4	.066666̇	24	.4	44	.733333̇
5	.083333̇	25	.416666̇	45	.75
6	.1	26	.433333̇	46	.766666̇
7	.116666̇	27	.45	47	.783333̇
8	.133333̇	28	.466666̇	48	.8
9	.15	29	.483333̇	49	.816666̇
10	.166666̇	30	.5	50	.833333̇
11	.183333̇	31	.516666̇	51	.85
12	.2	32	.533333̇	52	.866666̇
13	.216666̇	33	.55	53	.883333̇
14	.233333̇	34	.566666̇	54	.9
15	.25	35	.583333̇	55	.916666̇
16	.266666̇	36	.6	56	.933333̇
17	.283333̇	37	.616666̇	57	.95
18	.3	38	.633333̇	58	.966666̇
19	.316666̇	39	.65	59	.983333̇
20	.333333̇	40	.666666̇		

Feet, Inches and eighths of an inch as decimals of a Yard

12 inches = 1 ft.
 3 ft. = 1 yd.
 36 inches = 1 yd.

Feet	Inches		1/8	1/4	3/8	1/2	5/8	3/4	7/8	Inches
-	0		.003472	.006944	.010416	.013888	.017361	.020833	.024305	-
-	1	.027777	.03125	.034722	.038194	.041666	.045138	.048611	.052083	1
-	2	.055555	.059027	.0625	.065972	.069444	.072916	.076388	.079861	2
-	3	.083333	.086805	.090277	.09375	.097222	.100694	.104166	.107638	3
-	4	.111111	.114583	.118055	.121527	.125	.128472	.131944	.135416	4
-	5	.138888	.142361	.145833	.149305	.152777	.15625	.159722	.163194	5
-	6	.166666	.170138	.173611	.177083	.180555	.184027	.1875	.190972	6
-	7	.194444	.197916	.201388	.204861	.208333	.211805	.215277	.21875	7
-	8	.222222	.225694	.229166	.232638	.236111	.239583	.243055	.246527	8
-	9	.25	.253472	.256944	.260416	.263888	.267361	.270833	.274305	9
-	10	.277777	.28125	.284722	.288194	.291666	.295138	.298611	.302083	10
-	11	.305555	.309027	.3125	.315972	.319444	.322916	.326388	.329861	11
1	-	.333333	.336805	.340277	.34375	.347222	.350694	.354166	.357638	12
1	1	.361111	.364583	.368055	.371527	.375	.378472	.381944	.385416	13
1	2	.388888	.392361	.395833	.399305	.402777	.40625	.409722	.413194	14
1	3	.416666	.420138	.423611	.427083	.430555	.434027	.4375	.440972	15
1	4	.444444	.447916	.451388	.454861	.458333	.461805	.465277	.46875	16
1	5	.472222	.475694	.479166	.482638	.486111	.489583	.493055	.496527	17
1	6	.5	.503472	.506944	.510416	.513888	.517361	.520833	.524305	18
1	7	.527777	.53125	.534722	.538194	.541666	.545138	.548611	.552083	19
1	8	.555555	.559027	.5625	.565972	.569444	.572916	.576388	.579861	20
1	9	.583333	.586805	.590277	.59375	.597222	.600694	.604166	.607638	21
1	10	.611111	.614583	.618055	.621527	.625	.628472	.631944	.635416	22
1	11	.638888	.642361	.645833	.649305	.652777	.65625	.659722	.663194	23
2	-	.666666	.670138	.673611	.677083	.680555	.684027	.6875	.690972	24
2	1	.694444	.697916	.701388	.704861	.708333	.711805	.715277	.71875	25
2	2	.722222	.725694	.729166	.732638	.736111	.739583	.743055	.746527	26
2	3	.75	.753472	.756944	.760416	.763888	.767361	.770833	.774305	27
2	4	.777777	.78125	.784722	.788194	.791666	.795138	.798611	.802083	28
2	5	.805555	.809027	.8125	.815972	.819444	.822916	.826388	.829861	29
2	6	.833333	.836805	.840277	.84375	.847222	.850694	.854166	.857638	30
2	7	.861111	.864583	.868055	.871527	.875	.878472	.881944	.885416	31
2	8	.888888	.892361	.895833	.899305	.902777	.90625	.909722	.913194	32
2	9	.916666	.920138	.923611	.927083	.930555	.934027	.9375	.940972	33
2	10	.944444	.947916	.951388	.954861	.958333	.961805	.965277	.96875	34
2	11	.972222	.975694	.979166	.982638	.986111	.989583	.993055	.996527	35

Timber - Decimals of One Standard

Decimals of One Standard for One Lineal Foot, for each 1/8-inch thickness and each 1/2-inch width.

In the case of these decimals the final figure shown is the EIGHTH decimal place. Where five figures are shown three 000's should precede the figures; where six figures are shown two 00's only. First accumulate the lineal feet, then multiply the total lineal feet by the decimal equivalent shown opposite the thickness and width; the result is standards and decimals of a standard.

Ins.	2.1/2	3	3.1/2	4	4.1/2	5	5.1/2	6	6.1/2	7	7.1/2	8	8.1/2	9	9.1/2	10	10.1/2	width
1/8	01315	01578	01841	02104	02367	02630	02894	03157	03420	03683	03946	04209	04472	04735	04998	05261	05524	
1/4	02630	03157	03683	04209	04735	05261	05787	06313	06839	07365	07891	08418	08944	09470	09996	10522	11048	
3/8	03946	04735	05524	06313	07102	07891	08681	09470	10259	11048	11837	12626	13415	14205	14994	15783	16572	
1/2	05261	06313	07365	08418	09470	10522	11574	12626	13678	14731	15783	16835	17887	18939	19992	21044	22096	
5/8	06576	07891	09207	10522	11837	13152	14468	15783	17098	18413	19729	21044	22359	23674	24989	26305	27620	
3/4	07891	09470	11048	12626	14205	15783	17361	18939	20518	22096	23674	25253	26831	28409	29987	31566	33144	
7/8	09207	11048	12889	14731	16572	18413	20255	22096	23937	25779	27620	29461	31303	33144	34985	36827	38668	
1	10522	12626	14731	16835	18939	21044	23148	25253	27357	29461	31566	33670	35774	37879	39983	42088	44192	
1.1/8	11837	14205	16572	18939	21307	23674	26042	28409	30777	33144	35511	37879	40246	42614	44981	47348	49716	
1.1/4	13152	15783	18413	21044	23674	26305	28935	31566	34196	36827	39457	42088	44718	47348	49979	52609	55240	
1.3/8	14468	17361	20255	23148	26042	28935	31829	34722	37616	40509	43403	46296	49190	52083	54977	57870	60764	
1.1/2	15783	18939	22096	25253	28409	31566	34722	37879	41035	44192	47348	50505	53662	56818	59975	63131	66288	
1.5/8	17098	20518	23937	27357	30777	34196	37616	41035	44455	47875	51294	54714	58133	61553	64973	68392	71812	
1.3/4	18413	22096	25779	29461	33144	36827	40509	44192	47875	51557	55240	58923	62605	66288	69971	73653	77336	
1.7/8	19729	23674	27620	31566	35511	39457	43403	47348	51294	55240	59186	63131	67077	71023	74968	78914	82860	
2	21044	25253	29461	33670	37879	42088	46296	50505	54714	58923	63131	67340	71549	75758	79966	84175	88384	
2.1/8	22359	26831	31303	35774	40246	44718	49190	53662	58133	62605	67077	71549	76021	80492	84964	89436	93908	
2.1/4	23674	28409	33144	37879	42614	47348	52083	56818	61553	66288	71023	75758	80492	85227	89962	94697	99432	
2.3/8	24989	29987	34985	39983	44981	49979	54977	59975	64973	69971	74968	79966	84964	89962	94960	99958	104956	
2.1/2	26305	31566	36827	42088	47348	52609	57870	63131	68392	73653	78914	84175	89436	94697	99958	105219	110480	
2.5/8	27620	33144	38668	44192	49716	55240	60764	66288	71812	77336	82860	88384	93908	99432	104956	110480	116004	
2.3/4	28935	34722	40509	46296	52083	57870	63657	69444	75231	81019	86806	92593	98380	104167	109954	115741	121528	
2.7/8	30250	36301	42351	48401	54451	60501	66551	72601	78651	84701	90751	96801	102851	108902	114952	121002	127052	
3	31566	37879	44192	50505	56818	63131	69444	75758	82071	88384	94697	101010	107323	113636	119949	126263	132576	

thickness

Cloth Metric Conversion - For Widths of 20 Inches and Upwards

N.B. - Yards to Metres - .914399; Inches to Metres - .0254

$$\frac{1}{.914399 \times .0254} = \frac{.1}{.0232257346} = 43.05568874$$

The Table consists of 43.05568874 divided by 20, 21, 22, etc.

Inches		Inches		Inches	
20	2.15278	36	1.19599	54	.79733
21	2.05027	37	1.16367	56	.76885
22	1.95708	38	1.13304	58	.74234
23	1.87199	39	1.10399	60	.71759
24	1.79399	40	1.07639	62	.69445
25	1.72223	41	1.05014	64	.67275
26	1.65599	42	1.02514	66	.65236
27	1.59466	43	1.00130	68	.63317
28	1.53770	44	.97854	70	.61508
29	1.48468	45	.95679	72	.59800
30	1.43519	46	.93599	78	.55200
31	1.38889	47	.91608	80	.53820
32	1.34549	48	.89699	90	.47840
33	1.30472	49	.87869	100	.43056
34	1.26634	50	.86111	108	.39866
35	1.23016	52	.82799	120	.35880

Example: Find the weight in Grammes per Sq. Metre. Length 576 yards; Width 41 inches.
Weight 71.56 Kilograms.

By the Table 41 inches = 1.05014.

Example $\frac{71560}{576} \times 1.05014 = 130.47$ grammes per sq. metre.

lbs. to grammes $\times 453.59243$.

To find the weight in oz. per sq.ft. multiply grammes per sq. metre by .003275883.

Warp and Beam Weight Calculations for Cotton Yarns

Counts	Counts Constant	Counts	Counts Constant	Counts	Counts Constant	Counts	Counts Constant
		35	3401	70	1701	105	1134
1	119048	36	3307	71	1677	106	1123
2	59524	37	3218	72	1653	107	1113
3	39683	38	3133	73	1631	108	1102
4	29762	39	3053	74	1609	109	1092
		40	2976	75	1587	110	1082
5	23810	41	2904	76	1566	111	1073
6	19841	42	2834	77	1546	112	1063
7	17007	43	2769	78	1526	113	1054
8	14881	44	2706	79	1507	114	1044
9	13228						
		45	2646	80	1488	115	1035
10	11905	46	2588	81	1470	116	1026
11	10823	47	2533	82	1452	117	1018
12	9921	48	2480	83	1434	118	1009
13	9158	49	2430	84	1417	119	1000
14	8503						
		50	2381	85	1401	120	992
15	7937	51	2334	86	1384	121	984
16	7440	52	2289	87	1368	122	976
17	7002	53	2246	88	1353	123	968
18	6614	54	2205	89	1338	124	960
19	6266						
		55	2165	90	1323	125	952
20	5952	56	2126	91	1308	126	945
21	5669	57	2089	92	1294	127	937
22	5411	58	2053	93	1280	128	930
23	5176	59	2018	94	1266	129	923
24	4960						
		60	1984	95	1253		
25	4762	61	1952	96	1240		
26	4579	62	1920	97	1227		
27	4409	63	1890	98	1215		
28	4252	64	1860	99	1203		
29	4105						
		65	1832	100	1190		
30	3968	66	1804	101	1179		
31	3840	67	1777	102	1167		
32	3720	68	1751	103	1156		
33	3608	69	1725	104	1145		
34	3501						

NOTES

Multiply the number of ends by the number of yards, always commencing at the right of the Machine, working to the left (if all whole numbers). Multiply over by the COUNTS CONSTANT from the Chart. Answer equals Pounds (lbs.).

When using the Chart always remember that the figure given is to the eighth decimal place, so if 4 figures are shown add 4 noughts to the left. If 5 figures are shown add 3 noughts. If 3 figures are shown add 5 noughts.

The chart is made up from the Counts multiplied by 840 divided into 1.

Example:

2,450 ends 128's x 15,000 yards

With the Chart, this becomes:-

2,450 x 15,000 x .00000930 =
341 lbs. 12½ ozs.

which is the weight of the sett or beams.

When dealing with Whole and Fractions of Counts reduce to quarters and proceed as follows:-

Example:

10¼ Counts. Convert Counts to ¼'s =
41 qtrs.

Now refer to Chart as Count 41 = 2904 this Constant is used in the ordinary manner and the answer is X by 4.

10½ = 42 10¾ = 43 etc.

Daily Interest Based on 365 Day Year

Days 1 - 15

Day	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
1	1 .002740 364	32 .087671 333	60 .164384 305	91 .249315 274	121 .331507 244	152 .416438 213	182 .498630 183	213 .583562 152	244 .668493 121	274 .750685 91	305 .835616 60	335 .917808 30
2	2 .005479 363	33 .090411 332	61 .167123 304	92 .252055 273	122 .334247 243	153 .419178 212	183 .501370 182	214 .586301 151	245 .671233 120	275 .753425 90	306 .838356 59	336 .920548 29
3	3 .008219 362	34 .093151 331	62 .169863 303	93 .254795 272	123 .336986 242	154 .421918 211	184 .504110 181	215 .589041 150	246 .673973 119	276 .756164 89	307 .841096 58	337 .923288 28
4	4 .010959 361	35 .095890 330	63 .172603 302	94 .257534 271	124 .339726 241	155 .424658 210	185 .506849 180	216 .591781 149	247 .676712 118	277 .758904 88	308 .843836 57	338 .926027 27
5	5 .013699 360	36 .098630 329	64 .175342 301	95 .260274 270	125 .342466 240	156 .427397 209	186 .509589 179	217 .594521 148	248 .679452 117	278 .761644 87	309 .846575 56	339 .928767 26
6	6 .016438 359	37 .101370 328	65 .178082 300	96 .263014 269	126 .345205 239	157 .430137 208	187 .512329 178	218 .597260 147	249 .682192 116	279 .764384 86	310 .849315 55	340 .931507 25
7	7 .019178 358	38 .104110 327	66 .180822 299	97 .265753 268	127 .347945 238	158 .432877 207	188 .515068 177	219 .60146 146	250 .684932 115	280 .767123 85	311 .852055 54	341 .934247 24
8	8 .021918 357	39 .106849 326	67 .183562 298	98 .268493 267	128 .350685 237	159 .435616 206	189 .517808 176	220 .602740 145	251 .687671 114	281 .769863 84	312 .854795 53	342 .936986 23
9	9 .024658 356	40 .109589 325	68 .186301 297	99 .271233 266	129 .353425 236	160 .438356 205	190 .520548 175	221 .605479 144	252 .690411 113	282 .772603 83	313 .857534 52	343 .939726 22
10	10 .027397 355	41 .112329 324	69 .189041 296	100 .273973 265	130 .356164 235	161 .441096 204	191 .523288 174	222 .608219 143	253 .693151 112	283 .775342 82	314 .860274 51	344 .942466 21
11	11 .030137 354	42 .115068 323	70 .191781 295	101 .276712 264	131 .358904 234	162 .443836 203	192 .526027 173	223 .610959 142	254 .695890 111	284 .778082 81	315 .863014 50	345 .945205 20
12	12 .032877 353	43 .117808 322	71 .194521 294	102 .279452 263	132 .361644 233	163 .446575 202	193 .528767 172	224 .613699 141	255 .698630 110	285 .780822 80	316 .865753 49	346 .947945 19
13	13 .035616 352	44 .120548 321	72 .197260 293	103 .282192 262	133 .364384 232	164 .449315 201	194 .531507 171	225 .616438 140	256 .701370 109	286 .783562 79	317 .868493 48	347 .950685 18
14	14 .038356 351	45 .123288 320	73 .202740 292	104 .284932 261	134 .367123 231	165 .452055 200	195 .534247 170	226 .619178 139	257 .704110 108	287 .786301 78	318 .871233 47	348 .953425 17
15	15 .041096 350	46 .126027 319	74 .202740 291	105 .287671 260	135 .369863 230	166 .454795 199	196 .536986 169	227 .621918 138	258 .706849 107	288 .789041 77	319 .873973 46	349 .956164 16

Days 16 - 31

Daily Interest Based on 365 Day Year

Day	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
16	16 .043836 349	47 .128767 318	75 .205479 290	106 .290411 259	136 .372603 229	167 .457534 198	197 .539726 168	228 .624658 137	259 .709589 106	289 .791781 76	320 .876712 45	350 .958904 15
17	17 .046575 348	48 .131507 317	76 .208219 289	107 .293151 258	137 .375342 228	168 .460274 197	198 .542466 167	229 .627397 136	260 .712329 105	290 .794521 75	321 .879452 44	351 .961644 14
18	18 .049315 347	49 .134247 316	77 .210959 288	108 .295890 257	138 .378082 227	169 .463014 196	199 .545205 166	230 .630137 135	261 .715068 104	291 .797260 74	322 .882192 43	352 .964384 13
19	19 .052055 346	50 .136986 315	78 .213699 287	109 .298630 256	139 .380822 226	170 .465753 195	200 .547945 165	231 .632877 134	262 .717808 103	292 .8 73	323 .884932 42	353 .967123 12
20	20 .054795 345	51 .139726 314	79 .216438 286	110 .301370 255	140 .383562 225	171 .468493 194	201 .550685 164	232 .635616 133	263 .720548 102	293 .802740 72	324 .887671 41	354 .969863 11
21	21 .057534 344	52 .142466 313	80 .219178 285	111 .304110 254	141 .386301 224	172 .471233 193	202 .553425 163	233 .638356 132	264 .723288 101	294 .805479 71	325 .890411 40	355 .972603 10
22	22 .060274 343	53 .145205 312	81 .221918 284	112 .306849 253	142 .389041 223	173 .473973 192	203 .556164 162	234 .641096 131	265 .726027 100	295 .808219 70	326 .893151 39	356 .975342 9
23	23 .063014 342	54 .147945 311	82 .224658 283	113 .309589 252	143 .391781 222	174 .476712 191	204 .558904 161	235 .643836 130	266 .728767 99	296 .810959 69	327 .895890 38	357 .978082 8
24	24 .065753 341	55 .150685 310	83 .227397 282	114 .312329 251	144 .394521 221	175 .479452 190	205 .561644 160	236 .646575 129	267 .731507 98	297 .813699 68	328 .898630 37	358 .980822 7
25	25 .068493 340	56 .153425 309	84 .230137 281	115 .315068 250	145 .397260 220	176 .482192 189	206 .564384 159	237 .649315 128	268 .734247 97	298 .816438 67	329 .901370 36	359 .983562 6
26	26 .071233 339	57 .156164 308	85 .232877 280	116 .317808 249	146 .4 219	177 .484932 188	207 .567123 158	238 .652055 127	269 .736986 96	299 .819178 66	330 .904110 35	360 .986301 5
27	27 .073973 338	58 .158904 307	86 .235616 279	117 .320548 248	147 .402740 218	178 .487671 187	208 .569863 157	239 .654795 126	270 .739726 95	300 .821918 65	331 .906849 34	361 .989041 4
28	28 .076712 337	59 .161644 306	87 .238356 278	118 .323288 247	148 .405479 217	179 .490411 186	209 .572603 156	240 .657534 125	271 .742466 94	301 .824657 64	332 .909589 33	362 .991781 3
29	29 .079452 336		88 .241096 277	119 .326027 246	149 .408219 216	180 .493151 185	210 .575342 155	241 .660274 124	272 .745205 93	302 .827397 63	333 .912329 32	363 .994521 2
30	30 .082192 335		89 .243836 276	120 .328767 245	150 .410959 215	181 .495890 184	211 .578082 154	242 .663014 123	273 .747945 92	303 .830137 62	334 .915068 31	364 .997260 1
31	31 .084932 334		90 .246575 275		151 .413699 214		212 .580822 153	243 .665753 122		304 .832877 61		365

Days 1 - 15

Daily Interest Based on a 366 Day Year

Day	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
1	1 .002732 365	32 .087432 334	61 .166667 305	92 .251366 274	122 .333333 244	153 .418033 213	183 .5 183	214 .584699 152	245 .669399 121	275 .751366 91	306 .836066 60	336 .918033 30
2	2 .005464 364	33 .090164 333	62 .169399 304	93 .254098 273	123 .336066 243	154 .420765 212	184 .502732 182	215 .587432 151	246 .672131 120	276 .754098 90	307 .838798 59	337 .920765 29
3	3 .008197 363	34 .092896 332	63 .172131 303	94 .256830 272	124 .338798 242	155 .423497 211	185 .505464 181	216 .590164 150	247 .674863 119	277 .756830 89	308 .841530 58	338 .923497 28
4	4 .010929 362	35 .095628 331	64 .174863 302	95 .259563 271	125 .341530 241	156 .426229 210	186 .508197 180	217 .592896 149	248 .677596 118	278 .759563 88	309 .844262 57	339 .926229 27
5	5 .013661 361	36 .098361 330	65 .177596 301	96 .262295 270	126 .344262 240	157 .428962 209	187 .510929 179	218 .595628 148	249 .680328 117	279 .762295 87	310 .846995 56	340 .928962 26
6	6 .016393 360	37 .101093 329	66 .180328 300	97 .265027 269	127 .346995 239	158 .431694 208	188 .513661 178	219 .598361 147	250 .683060 116	280 .765027 86	311 .849727 55	341 .931694 25
7	7 .019126 359	38 .103825 328	67 .183060 299	98 .267759 268	128 .349727 238	159 .434426 207	189 .516393 177	220 .601093 146	251 .685792 115	281 .767759 85	312 .852459 54	342 .934426 24
8	8 .021858 358	39 .106557 327	68 .185792 298	99 .270492 267	129 .352459 237	160 .437158 206	190 .519126 176	221 .603825 145	252 .688525 114	282 .770492 84	313 .855191 53	343 .937158 23
9	9 .024590 357	40 .109290 326	69 .188525 297	100 .273224 266	130 .355191 236	161 .439891 205	191 .521858 175	222 .606557 144	253 .691257 113	283 .773224 83	314 .857923 52	344 .939891 22
10	10 .027322 356	41 .112022 325	70 .191257 296	101 .275956 265	131 .357923 235	162 .442623 204	192 .524590 174	223 .609290 143	254 .693989 112	284 .775956 82	315 .860656 51	345 .942623 21
11	11 .030055 355	42 .114754 324	71 .193989 295	102 .278688 264	132 .360656 234	163 .445355 203	193 .527322 173	224 .612022 142	255 .696721 111	285 .778688 81	316 .863388 50	346 .945355 20
12	12 .032787 354	43 .117486 323	72 .196721 294	103 .281421 263	133 .363388 233	164 .448087 202	194 .530055 172	225 .614754 141	256 .699453 110	286 .781421 80	317 .866120 49	347 .948087 19
13	13 .035519 353	44 .120219 322	73 .199453 293	104 .284153 262	134 .366120 232	165 .450820 201	195 .532787 171	226 .617486 140	257 .702186 109	287 .784153 79	318 .868852 48	348 .950820 18
14	14 .038251 352	45 .122951 321	74 .202186 292	105 .286885 261	135 .368852 231	166 .453552 200	196 .535519 170	227 .620219 139	258 .704918 108	288 .786885 78	319 .871585 47	349 .953552 17
15	15 .040984 351	46 .125683 320	75 .204918 291	106 .289617 260	136 .371585 230	167 .456284 199	197 .538251 169	228 .622951 138	259 .707650 107	289 .789617 77	320 .874317 46	350 .956284 16

Daily Interest Based on a 366 Day Year

Days 16 - 31

Day	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
16	16 .043716 350	47 .128415 319	76 .207650 290	107 .292350 259	137 .374317 229	168 .459016 198	198 .540984 168	229 .625683 137	260 .710382 106	290 .792350 76	321 .877049 45	351 .959016 15
17	17 .046448 349	48 .131148 318	77 .210382 289	108 .295082 258	138 .377049 228	169 .461749 197	199 .543716 167	230 .628415 136	261 .713115 105	291 .795082 75	322 .879781 44	352 .961749 14
18	18 .049180 348	49 .133880 317	78 .213115 288	109 .297814 257	139 .379781 227	170 .464481 196	200 .546448 166	231 .631148 135	262 .715847 104	292 .797814 74	323 .882514 43	353 .964481 13
19	19 .051913 347	50 .136612 316	79 .215847 287	110 .300546 256	140 .382514 226	171 .467213 195	201 .549180 165	232 .633880 134	263 .718579 103	293 .800546 73	324 .885246 42	354 .967213 12
20	20 .054645 346	51 .139344 315	80 .218579 286	111 .303279 255	141 .385246 225	172 .469945 194	202 .551913 164	233 .636612 133	264 .721311 102	294 .803279 72	325 .887978 41	355 .969945 11
21	21 .057377 345	52 .142076 314	81 .221311 285	112 .306011 254	142 .387978 224	173 .472678 193	203 .554645 163	234 .639344 132	265 .724044 101	295 .806011 71	326 .890710 40	356 .972678 10
22	22 .060109 344	53 .144809 313	82 .224044 284	113 .308743 253	143 .390710 223	174 .475410 192	204 .557377 162	235 .642076 131	266 .726776 100	296 .808743 70	327 .893443 39	357 .975410 9
23	23 .062842 343	54 .147541 312	83 .226776 283	114 .311475 252	144 .393443 222	175 .478142 191	205 .560109 161	236 .644809 130	267 .729508 99	297 .811475 69	328 .896175 38	358 .978142 8
24	24 .065574 342	55 .150273 311	84 .229508 282	115 .314208 251	145 .396175 221	176 .480874 190	206 .562842 160	237 .647541 129	268 .732240 98	298 .814208 68	329 .898907 37	359 .980874 7
25	25 .068306 341	56 .153005 310	85 .232240 281	116 .316940 250	146 .398907 220	177 .483607 189	207 .565574 159	238 .650273 128	269 .734973 97	299 .816940 67	330 .901639 36	360 .983607 6
26	26 .071038 340	57 .155738 309	86 .234973 280	117 .319672 249	147 .401639 219	178 .486339 188	208 .568306 158	239 .653005 127	270 .737705 96	300 .819672 66	331 .904372 35	361 .986339 5
27	27 .073770 339	58 .158470 308	87 .237705 279	118 .322404 248	148 .404372 218	179 .489071 187	209 .571038 157	240 .655738 126	271 .740437 95	301 .822404 65	332 .907104 34	362 .989071 4
28	28 .076503 338	59 .161202 307	88 .240437 278	119 .325137 247	149 .407104 217	180 .491803 186	210 .573770 156	241 .658470 125	272 .743169 94	302 .825137 64	333 .909836 33	363 .991803 3
29	29 .079235 337	60 .163934 306	89 .243169 277	120 .327869 246	150 .409836 216	181 .494536 185	211 .576503 155	242 .661202 124	273 .745902 93	303 .827869 63	334 .912568 32	364 .994536 2
30	30 .081967 336		90 .245902 276	121 .330601 245	151 .412568 215	182 .497268 184	212 .579235 154	243 .663934 123	274 .748634 92	304 .830601 62	335 .915301 31	365 .997268 1
31	31 .084699 335		91 .248634 275		152 .415301 214		213 .581967 153	244 .666667 122		305 .833333 61		366 1.

Daily Interest Based on a 360 Day Year

1	.0027	41	.1138	81	.225	121	.3361	161	.4472
2	.005	42	.116	82	.227	122	.338	162	.45
3	.0083	43	.1194	83	.2305	123	.3416	163	.4527
4	.01	44	.12	84	.23	124	.34	164	.45
5	.0138	45	.125	85	.2361	125	.3472	165	.4583
6	.016	46	.127	86	.238	126	.35	166	.461
7	.0194	47	.1305	87	.2416	127	.3527	167	.4638
8	.02	48	.13	88	.24	128	.35	168	.46
9	.025	49	.1361	89	.2472	129	.3583	169	.4694
10	.027	50	.138	90	.25	130	.361	170	.472
11	.0305	51	.1416	91	.2527	131	.3638	171	.475
12	.03	52	.14	92	.25	132	.36	172	.47
13	.0361	53	.1472	93	.2583	133	.3694	173	.4805
14	.038	54	.15	94	.261	134	.372	174	.483
15	.0416	55	.1527	95	.2638	135	.375	175	.4861
16	.04	56	.15	96	.26	136	.37	176	.48
17	.0472	57	.1583	97	.2694	137	.3805	177	.4916
18	.05	58	.161	98	.272	138	.383	178	.494
19	.0527	59	.1638	99	.275	139	.3861	179	.4972
20	.05	60	.16	100	.27	140	.38	180	.5
21	.0583	61	.1694	101	.2805	141	.3916	181	.5027
22	.061	62	.172	102	.283	142	.394	182	.505
23	.0638	63	.175	103	.2861	143	.3972	183	.5083
24	.06	64	.17	104	.28	144	.4	184	.51
25	.0694	65	.1805	105	.2916	145	.4027	185	.5138
26	.072	66	.183	106	.294	146	.405	186	.516
27	.075	67	.1861	107	.2972	147	.4083	187	.5194
28	.07	68	.18	108	.3	148	.41	188	.52
29	.0805	69	.1916	109	.3027	149	.4138	189	.525
30	.083	70	.194	110	.305	150	.416	190	.527
31	.0861	71	.1972	111	.3083	151	.4194	191	.5305
32	.08	72	.2	112	.31	152	.42	192	.53
33	.0916	73	.2027	113	.3138	153	.425	193	.5361
34	.094	74	.205	114	.316	154	.427	194	.538
35	.0972	75	.2083	115	.3194	155	.4305	195	.5416
36	.1	76	.21	116	.32	156	.43	196	.54
37	.1027	77	.2138	117	.325	157	.4361	197	.5472
38	.105	78	.216	118	.327	158	.438	198	.55
39	.1083	79	.2194	119	.3305	159	.4416	199	.5527
40	.1	80	.2	120	.3	160	.4	200	.5

Daily Interest Based on a 360 Day Year

201	.5583	241	.6694	281	.7805	321	.8916
202	.561	242	.672	282	.783	322	.894
203	.5638	243	.675	283	.7861	323	.8972
204	.56	244	.67	284	.78	324	.9
205	.5694	245	.6805	285	.7916	325	.9027
206	.572	246	.683	286	.794	326	.905
207	.575	247	.6861	287	.7972	327	.9083
208	.57	248	.68	288	.8	328	.91
209	.5805	249	.6916	289	.8027	329	.9138
210	.583	250	.694	290	.805	330	.916
211	.5861	251	.6972	291	.8083	331	.9194
212	.58	252	.7	292	.81	332	.92
213	.5916	253	.7027	293	.8138	333	.925
214	.594	254	.705	294	.816	334	.927
215	.5972	255	.7083	295	.8194	335	.9305
216	.6	256	.71	296	.82	336	.93
217	.6027	257	.7138	297	.825	337	.9361
218	.605	258	.716	298	.827	338	.938
219	.6083	259	.7194	299	.8305	339	.9416
220	.61	260	.72	300	.83	340	.94
221	.6138	261	.725	301	.8361	341	.9472
222	.616	262	.727	302	.838	342	.95
223	.6194	263	.7305	303	.8416	343	.9527
224	.62	264	.73	304	.84	344	.95
225	.625	265	.7361	305	.8472	345	.9583
226	.627	266	.738	306	.85	346	.961
227	.6305	267	.7416	307	.8527	347	.9638
228	.63	268	.74	308	.85	348	.96
229	.6361	269	.7472	309	.8583	349	.9694
230	.638	270	.75	310	.861	350	.972
231	.6416	271	.7527	311	.8638	351	.975
232	.64	272	.75	312	.86	352	.97
233	.6472	273	.7583	313	.8694	353	.9805
234	.65	274	.761	314	.872	354	.983
235	.6527	275	.7638	315	.875	355	.9861
236	.65	276	.76	316	.87	356	.98
237	.6583	277	.7694	317	.8805	357	.9916
238	.661	278	.772	318	.883	358	.994
239	.6638	279	.775	319	.8861	359	.9972
240	.6	280	.7	320	.8		

How to use the Daily Interest Charts

365 and 366 Day Year

The TOP figure in each square represents the number of days from January 1st (inclusive) to the date required.

The CENTRE figure represents the decimal part of a year from January 1st (inclusive).

The LOWER figure represents the number of days from the date required to the end of the year.

HOW TO FIND THE DIFFERENCE BETWEEN ANY TWO DATES

Example: Find the decimal equivalent of the period from May 16th, 1964 to February 23rd, 1965.

Add 65.147945 into the machine, being the last two figures of the "maturing year" and the decimal for February 23rd.

Subtract 64.372603, being the last two figures of the "beginning date" and the decimal for May 16th.

Result 0.775342

INTEREST CALCULATIONS

Example: Calculate the Simple Interest on \$325 @ $3\frac{1}{2}\%$ from April 15th, 1963 to October 7th, 1964.

Add 64.767123 (October 7th '64) into the machine.

Subtract 63.287671 (April 15th '63). = 1.479452

Multiply this figure by \$325 and then by 0.035

Result \$16.83

NOTES

LEAP YEAR Chart 15 - 366 Day Year - is only required when February 29th is included in the fractional part of a year

Example: Find the decimal equivalent of the period from January 15th, 1963 to June 9th, 1964
64.439891 - 63.040984 = 1.398907

B.D.I. - means "both dates inclusive". Subtract one day from the 'beginning date' before looking up its decimal equivalent.

Example: Find the decimal equivalent of the period from January 10th to March 18th, 1965.
0.210959 - 0.024658 (decimal for January 9th.) = 0.186301

360 DAY YEAR

Example: 13,500 francs @ $2\frac{3}{8}\%$ per annum for 63 days.
Multiply 135 by 2.375 by 0.175. Result 56.11 francs.

Areas & Volumes Formulae

Pi is a Greek term symbolised by π . The value of π is 3.1415926536. It is arrived at by dividing the length of the circumference of any circle by the diameter of that circle.

π is approximately $\frac{1}{37}$ th or $\frac{22}{7}$ when expressed as a fraction.

R = external radius

r = internal radius

h = height

ch = chord.

$$\text{Area of Circle} = \pi r^2$$

$$\text{Circumference of Circle} = 2\pi r$$

$$\text{Volume of cylinder} = \pi r^2 h$$

$$\text{Volume of hollow cylinder} = \pi(R^2 - r^2)h$$

$$\text{Volume of Sphere} = \frac{4}{3} \pi r^3$$

$$\text{Surface of Sphere} = 4 \pi r^2$$

$$\text{Volume of Hollow Sphere} = \frac{4}{3} \pi (R^3 - r^3)$$

$$\text{Area of Triangle} = \frac{1}{2} \text{ base } \times \text{ perpendicular } h$$

$$\text{Area of Segment} = \left(\frac{h^3}{2ch} \right) + \left(\frac{2}{3} ch \times h \right)$$



