

Comparative Measures

(updated April 2003)

Coinage		Farthings	Pence	Shillings	Marks	Pounds	Mint Weights:	grams	grains (Troy)
0.25	1 Farthing	1 f	1/4 d	1/48 s	1/640 m	£ 1/960	1 Tower Pound (pre 1526):	349.9144	5400
1	1 Pence	4 f	1 d	1/12 s	1/160 m	£ 1/240	1 Troy Pound:	373.2420	5760
12	1 Shilling	48 f	12 d	1 s	3/40 m	£ 1/12	1 marc de Troyes :	244.7529	3777
160	1 Mark	640 f	160 d	13 1/3 s	1 m	£ 2/3			
240	1 Pound	960 f	240 d	20 s	1 1/2 m	£ 1			

Area	Acres	Tofts	Virgates	Hides	Hectares	Square Miles	Sq Kms	Hexes	Distance	Inches	Feet	Meters	Miles	Km
0.000207	1 Square Yard	1/4840	0.000069	-	-	-	-	-	1 inch	1	1/12 ft	0.025	-	-
0.000247	1 Sqare Meter	0.000247	0.000082	-	-	-	-	-	1 foot	12	1	0.305	0.0002	0.0003
1	1 Acre	1 acre	1/3 toft	1/30 vir	1/120 hide	0.405	1/640 sq m	0.004	0.00001	1 yard	36	3	0.914	0.0006
3	1 Toft	3	1 toft	1/10 vir.	1/40 hide	1.214	3/640 sq m	0.012	0.00003	1 rod	198	16.5	5.029	0.0031
30	1 Virgate	30	10	1 vir.	1/4 hide	12.14	3/64 sq m	0.121	0.00035	1 chain	792	66	20.117	0.0125
120	1 Hide	120	40	4	1 hide	48.56	3/16 sq m	0.486	0.00139	1 furlong	7920	660	201.168	0.1250
2.471	1 Hectare	2.47	0.82	0.082	0.021	1 hec	0.004	0.01	0.00003	1 mile	63,360	5,280	1609.344	1
640	1 Square Mile	640	213.3	21.3	5.33	259	1 sq m	2.59	0.00739	1 league	158,400	13,200	4023.36	2.5
247.1	1 Square Kilometer	247.1	82.37	8.24	2.06	100	0.39	1 km²	0.00285	1 fathom	72	6	1.8288	0.0011
86600	1 Hex	86,600	28,867	2,887	722	35,047	135.31	350.46	1 hex	1 meter	39.37	3.28	1	0.0006
124.71	1 Centurium	124.71	41.57	4.16	1.04	50.47	0.19	0.50	0.00144	1 kilometer	39,370	3,281	1000	0.6214

Volume	Fluid Oz	Pints	Gallons	Bushels	Cubic Inches	Cubic Feet	Litres	Hectolitres	Ancient Measures:	Feet	Meters
0.05	1 Fluid Ounce	1 fl oz	1/20 pt	1/160 gal	1/400 bu	1.734	0.001	0.028	0.0003	1 cubit (Biblical):	1.817
1	1 Pint	20	1 pt	1/8 gal	1/20 bu	34.677	0.020	0.568	0.0057	1 cubit (England):	1.5
8	1 Gallon	160	8	1 gal	2/5 bu	277.419	0.161	4.546	0.0455	1 league (Roman):	7283.46
64.0	1 Bushel	1280	64	8	1 bu	2219.355	1.284	36.369	0.3637	1 pace (Roman):	4.856
0.029	1 cubic inch	0.577	0.03	0.0036	0.00045	1 cu in	0.001	0.016	0.0002		
49.83	1 cubit foot	996.61	49.831	6.229	0.77860	1728	1 cu ft	28.317	0.2832	<- 1 cu ft = 1000 oz (av) of water	
6378.33	1 cord	127566.58	6378.329	797.291	99.66139	221184	128	3624.556	36.2456	<- 1 cord = 4' x 4' x 8'	
1.760	1 Litre	35.20	1.7598	0.21997	0.02750	61.024	0.035	1 l	0.01		
175.98	1 Hectolitre	3519.5	175.975	21.997	2.74962	6102.374	3.531	100	1 hl		

Mass	Grains	Phywts	Ounces	Troy Oz	Troy Pounds	Tower Pnds	Pounds	Stones	Bushels	Bushels	Bushels	Hndwght	Kilogrammes	Grams
0.0001429	1 Grain	1 grain	0.042	0.002	0.0021	0.0002	0.00014	-	(flour)	(wheat)	(water)	(short)	0.000065	0.065
0.0034	1 Pennyweight	24	1 dwt	0.055	0.0500	0.0042	0.0044	0.00343	-	-	-	-	0.001555	1.555
0.0625	1 Ounce (Av)	437.5	18.23	1 oz (av)	0.9115	0.0760	0.0810	0.06250	0.001	0.001	0.001	0.001	0.028350	28.350
0.0686	1 Ounce (Troy)	480	20	1.097	1 oz (tr)	0.0833	0.0889	0.06857	0.001	0.001	0.001	0.001	0.031103	31.103
0.8229	1 Pound (Troy)	5,760	240	13.166	12	1 lb (troy)	1.0667	0.82286	0.015	0.013	0.011	0.008	0.373242	373.242
0.7714	1 Pound (Tower)	5,400	225	12.343	11.25	0.9375	1 lb (tower)	0.77143	0.014	0.012	0.010	0.008	0.349914	349.914
1	1 Pound (Av)	7,000	291.67	16	14.58	1.215	1.296	1 lb (av)	0.018	0.016	0.013	0.010	0.453592	453.592
14	1 Stone	98,000	4,083.33	224	204.17	17.01	18.15	14	1 st	0.25	0.219	0.180	0.140	6.350293
56	1 Bushel (flour)	392,000	16,333.33	896	816.67	68.06	72.59	56	4	1 bu (fl)	0.875	0.721	0.560	25.401173
64	1 Bushel (wheat)	448,000	18,666.67	1024	933.33	77.78	82.96	64	4.57	1.143	1 bu (wh)	0.824	0.640	29.029912
77.7	1 Bushel (water)	543,900	22,662.50	1,243.2	1,133.13	94.43	100.72	78	5.55	1.388	1.214	1 bu (wa)	0.777	35.244127
112	1 Hundredweight (long)	784,000	32,666.67	1,792	1,633.33	136.11	145.19	112	8	2	1.75	1.441	1.120	50.802345
100	1 Hundredweight (short)	700,000	29,166.67	1,600	1,458.33	121.53	129.63	100	7	1.786	1.563	1.287	1 hw	45.359237
2.2046	1 Kilogramme	15,432.36	643.01	35.27	32.15	2.679	2.858	2.2046	0.039	0.034	0.028	0.022	1 kg	1000
0.00220	1 gram	15.432	0.643	0.0353	0.0322	0.0027	0.0029	0.0022	0.0002	-	-	-	-	1 g
2240	1 ton (long)	15,680,000	653,333.33	35840	32,666.67	2722.22	2903.70	2240	160	40	35	28.83	22.4	1016.05
2000	1 ton (short)	14,000,000	583,333.33	32000	29,166.67	2430.56	2592.59	2000	143	36	31	25.74	20	907.18