

**MAP SCALE AND EQUIVALENTS**

<b>Fractional Scale</b>	<b>Feet Per Inch</b>	<b>Inches Per 1000 Ft</b>	<b>Inches Per Mile</b>	<b>Miles Per Inch</b>	<b>Meters Per Inch</b>	<b>Acres Per Square Inch</b>	<b>Sq. In. Per Acre</b>	<b>Sq. Mi. Per Square Inch</b>
1:500	41.667	24.00	126.70	0.008	12.700	0.0399	25.091	0.00006
1:600	50.00	20.00	105.60	0.009	15.240	0.0574	17.424	0.00009
1:1000	83.333	12.00	63.36	0.016	25.400	0.1594	6.273	0.00025
1:1200	100.00	10.00	52.80	0.019	30.480	0.2296	4.356	0.00036
1:1500	125.00	8.00	42.24	0.024	38.100	0.3587	2.788	0.00056
1:2000	166.667	6.00	31.68	0.032	50.800	0.6377	1.568	0.00100
1:2400	200.00	5.00	26.40	0.038	60.960	0.9183	1.089	0.0014
1:2500	208.333	4.80	25.344	0.039	63.500	0.9964	1.004	0.0016
1:3000	250.00	4.00	21.12	0.047	76.200	1.4348	0.697	0.0022
1:3600	300.00	3.333	17.60	0.057	91.440	2.0661	0.484	0.0032
1:4000	333.333	3.00	15.84	0.063	101.600	2.5508	0.392	0.0040
1:4800	400.00	2.50	13.20	0.076	121.920	3.6731	0.272	0.0057
1:5000	416.667	2.40	12.672	0.079	127.000	3.9856	0.251	0.0062
1:6000	500.00	2.00	10.56	0.095	152.400	5.7392	0.174	0.0090
1:7000	583.333	1.714	9.051	0.110	177.800	7.8117	0.128	0.0122
1:7200	600.00	1.667	8.80	0.114	182.880	8.2645	0.121	0.0129
1:7920	660.00	1.515	8.00	0.125	201.168	10.00	0.100	0.0156
1:8000	666.667	1.500	7.92	0.126	203.200	10.203	0.098	0.0159
1:8400	700.00	1.429	7.543	0.133	213.360	11.249	0.089	0.0176
1:9000	750.00	1.333	7.041	0.142	228.600	12.913	0.077	0.0202
1:9600	800.00	1.250	6.60	0.152	243.840	14.692	0.068	0.0230
1:10000	833.333	1.200	6.336	0.158	254.000	15.942	0.063	0.0249
1:10800	900.00	1.111	5.867	0.170	274.321	18.595	0.054	0.0291
1:12000	1000.00	1.0	5.280	0.189	304.801	22.957	0.044	0.0359
1:13200	1100.00	0.909	4.800	0.208	335.281	27.778	0.036	0.0434
1:14400	1200.00	0.833	4.400	0.227	365.761	33.058	0.030	0.0517
1:15000	1250.00	0.80	4.224	0.237	381.001	35.870	0.028	0.0560
1:15600	1300.00	0.769	4.062	0.246	396.241	38.797	0.026	0.0606
1:15840	1320.00	0.758	4.00	0.250	402.337	40.000	0.025	0.0625
1:16000	1333.333	0.750	3.96	0.253	406.400	40.812	0.024	0.0638
1:16800	1400.0000	0.714	3.771	0.265	426.721	44.995	0.022	0.0703
1:18000	1500.0000	0.667	3.52	0.284	457.201	51.653	0.019	0.0807
1:19200	1600.0000	0.625	3.30	0.303	487.681	58.770	0.017	0.0918
1:20000	1666.6670	0.60	3.168	0.316	508.002	63.769	0.016	0.0996
1:20400	1700.0000	0.588	3.106	0.322	518.161	66.345	0.015	0.1037
1:21120	1760.0000	0.568	3.00	0.333	536.449	71.111	0.014	0.1111
1:21600	1800.0000	0.556	2.933	0.341	548.641	74.380	0.013	0.1162
1:22800	1900.0000	0.526	2.779	0.360	579.121	82.874	0.012	0.1295
1:24000	2000.0000	0.50	2.640	0.379	609.601	91.827	0.011	0.1435
1:25000	2083.3330	0.480	2.534	0.395	635.001	99.639	0.010	0.1557
1:31680	2640.0000	0.379	2.000	0.500	804.674	160.000	0.006	0.2500
1:48000	4000.0000	0.250	1.320	0.758	1219.202	367.309	0.003	0.5739
1:62500	5208.3330	0.192	1.014	0.986	1587.503	622.744	0.0016	0.9730
1:63360	5280.0000	0.189	1.000	1.000	1609.347	640.00	0.0016	1.0000
1:96000	8000.0000	0.125	0.660	1.515	2438.405	1469.24	0.0007	2.2957
1:125000	10416.6670	0.096	0.507	1.973	3175.006	2490.98	0.0004	3.8922
1:126720	10560.0000	0.095	0.500	2.00	3218.694	2560.00	0.0004	4.0000
1:250000	20833.3330	0.048	0.253	3.946	6350.012	9963.907	0.0001	15.5686
1:253440	21120.0000	0.047	0.250	4.00	6437.389	10244.202	0.0001	16.0000
1:500000	41666.6670	0.024	0.127	7.891	12700.025	39855.627	0. <sup>4</sup> / <sub>25</sub>	62.2744
1:1000000	83333.3330	0.012	0.063	15.783	25400.050	159422.507	0. <sup>5</sup> / <sub>62</sub>	249.0977
<b>Formulas</b>	<b>Scale</b>	<b>12000</b>	<b>63360</b>	<b>Scale</b>	<b>Ft./Inch X</b>	<b>(Scale<sup>2</sup>)</b>	<b>43560x144</b>	<b>(Ft/In.)<sup>2</sup></b>
	<b>12</b>	<b>Scale</b>	<b>Scale</b>	<b>63360</b>	<b>0.3048006</b>	<b>43560x144</b>	<b>(Scale<sup>2</sup>)</b>	<b>(5280)<sup>2</sup></b>