

Units of Length - International Measure

Units	Inches	Feet	Yards	Miles	Centimeters	Meters
1 inch =	<u>1</u>	0.083 333 33	0.027 777 78	0.000 015 782 83	<u>2.54</u>	<u>0.025 4</u>
1 foot =	<u>12</u>	<u>1</u>	0.333 333 3	0.000 189 393 9	<u>30.48</u>	<u>0.304 8</u>
1 yard =	<u>36</u>	<u>3</u>	<u>1</u>	0.000 568 181 8	<u>91.44</u>	<u>0.914 4</u>
1 mile =	<u>63 360</u>	<u>5 280</u>	<u>1 760</u>	<u>1</u>	<u>160 934.4</u>	<u>1609.344</u>
1 centimeter =	0.393 700 8	0.032 808 40	0.010 936 13	0.000 006 213 71 2	<u>1</u>	<u>0.01</u>
1 meter =	<u>39.370 08</u>	<u>3.280 840</u>	<u>1.093 613</u>	<u>0.000 621 371 2</u>	<u>100</u>	<u>1</u>

Units of Length - Survey Measure

Units	Links	Feet	Rods	Chains	Miles	Meters
1 link =	<u>1</u>	<u>0.66</u>	<u>0.04</u>	<u>0.01</u>	<u>0.000 125</u>	0.201 168 4
1 foot =	1.515 152	<u>1</u>	0.060 606 06	0.015 151 52	0.000 189 393 9	0.304 800 6
1 rod =	<u>25</u>	<u>16.5</u>	<u>1</u>	<u>0.25</u>	<u>0.003 125</u>	5.029 210
1 chain =	<u>100</u>	<u>66</u>	<u>4</u>	<u>1</u>	<u>0.0125</u>	20.116 84
1 mile =	<u>8 000</u>	<u>5 280</u>	<u>320</u>	<u>80</u>	<u>1</u>	1609.347
1 meter =	4.970 960	3.280 833	0.198 838 4	0.049 709 60	0.000 621 369 9	<u>1</u>

Units of Area - International Measure (all underlined figures are exact)

Units	Square Miles	Square Centimeters	Square Meters
1 square inch =	0.000 000 000 249 097 7	<u>6.451 6</u>	<u>0.000 645 16</u>
1 square foot =	0.000 000 035 870 06	<u>929.030 4</u>	<u>0.092 903 04</u>
1 square yard =	0.000 000 322 830 6	<u>8361.273 6</u>	<u>0.836 127 36</u>
1 square mile =	<u>1</u>	<u>25 899 881 103.36</u>	<u>2 589 988.110 336</u>
1 square centimeter =	0.000 000 000 038 610 22	<u>1</u>	<u>0.0001</u>
1 square meter =	0.000 000 386 102 2	<u>10 000</u>	<u>1</u>

Units of Area - Survey Measure

Units	Square Feet	Square Rods	Square Chains	Acres
1 square foot =	1	0.003 673 095	0.000 229 568 4	0.000 022 956 84
1 square rod =	<u>272.25</u>	1	<u>0.062 5</u>	<u>0.006 25</u>
1 square chain =	<u>4356</u>	<u>16</u>	1	<u>0.1</u>
1 acre =	<u>43 560</u>	<u>160</u>	<u>10</u>	1
1 square mile =	<u>27 878 400</u>	<u>102 400</u>	<u>6400</u>	<u>640</u>
1 square meter =	10.763 87	0.039 536 70	0.002 471 044	0.000 247 104 4
1 hectare =	107 638.7	395.367 0	24.710 44	2.471 044

Units	Square Miles	Square Meters	Hectares
1 square foot =	0.000 000 035 870 06	0.092 903 41	0.000 009 290 341
1 square rod =	<u>0.000 009 765 625</u>	25.292 95	0.002 529 295
1 square chain =	<u>0.000 156 25</u>	404.687 3	0.040 468 73
1 acre =	<u>0.001 562 5</u>	4 046.873	0.404 687 3
1 square mile =	1	2 589 998	258.999 8
1 square meter =	0.000 000 386 100 6	1	<u>0.000 1</u>
1 hectare =	0.003 861 006	<u>10 000</u>	1