# AREA OF A CIRCLE
## In square meters
## Formulas

$C^2 \times 0.0795775 = \text{Area}$

Use when Circumference is given

| C | Area | C | Area | C | Area | C | Area | C | Area | C | Area | C | Area |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.000 | 5.0 | 1.989 | 10.0 | 7.958 | 15.0 | 17.905 | 20.0 | 31.831 | 25.0 | 49.736 | 30.0 | 71.620 |
| .1 | .001 | .1 | 2.070 | .1 | 8.118 | .1 | 18.144 | .1 | 32.150 | .1 | 50.135 | .1 | 72.098 |
| .2 | .003 | .2 | 2.152 | .2 | 8.279 | .2 | 18.386 | .2 | 32.471 | .2 | 50.535 | .2 | 72.578 |
| .3 | .007 | .3 | 2.235 | .3 | 8.442 | .3 | 18.628 | .3 | 32.793 | .3 | 50.937 | .3 | 73.059 |
| .4 | .013 | .4 | 2.320 | .4 | 8.607 | .4 | 18.873 | .4 | 33.117 | .4 | 51.340 | .4 | 73.542 |
| .5 | .020 | .5 | 2.407 | .5 | 8.773 | .5 | 19.118 | .5 | 33.442 | .5 | 51.745 | .5 | 74.027 |
| .6 | .029 | .6 | 2.496 | .6 | 8.941 | .6 | 19.366 | .6 | 33.770 | .6 | 52.152 | .6 | 74.513 |
| .7 | .039 | .7 | 2.585 | .7 | 9.111 | .7 | 19.615 | .7 | 34.098 | .7 | 52.560 | .7 | 75.001 |
| .8 | .051 | .8 | 2.677 | .8 | 9.282 | .8 | 19.866 | .8 | 34.428 | .8 | 52.970 | .8 | 75.490 |
| .9 | .064 | .9 | 2.770 | .9 | 9.455 | .9 | 20.118 | .9 | 34.760 | .9 | 53.381 | .9 | 75.981 |
| 1.0 | .080 | 6.0 | 2.865 | 11.0 | 9.629 | 16.0 | 20.372 | 21.0 | 35.094 | 26.0 | 53.794 | 31.0 | 76.474 |
| .1 | .096 | .1 | 2.961 | .1 | 9.805 | .1 | 20.627 | .1 | 35.429 | .1 | 54.209 | .1 | 76.968 |
| .2 | .115 | .2 | 3.059 | .2 | 9.982 | .2 | 20.884 | .2 | 35.765 | .2 | 54.625 | .2 | 77.464 |
| .3 | .134 | .3 | 3.158 | .3 | 10.161 | .3 | 21.143 | .3 | 36.104 | .3 | 55.043 | .3 | 77.961 |
| .4 | .156 | .4 | 3.259 | .4 | 10.342 | .4 | 21.403 | .4 | 36.443 | .4 | 55.462 | .4 | 78.460 |
| .5 | .179 | .5 | 3.362 | .5 | 10.524 | .5 | 21.665 | .5 | 36.785 | .5 | 55.883 | .5 | 78.961 |
| .6 | .204 | .6 | 3.466 | .6 | 10.708 | .6 | 21.928 | .6 | 37.128 | .6 | 56.306 | .6 | 79.463 |
| .7 | .230 | .7 | 3.572 | .7 | 10.893 | .7 | 22.193 | .7 | 37.472 | .7 | 56.730 | .7 | 79.967 |
| .8 | .258 | .8 | 3.680 | .8 | 11.080 | .8 | 22.460 | .8 | 37.818 | .8 | 57.156 | .8 | 80.472 |
| .9 | .267 | .9 | 3.789 | .9 | 11.269 | .9 | 22.728 | .9 | 38.166 | .9 | 57.583 | .9 | 80.979 |
| 2.0 | .318 | 7.0 | 3.899 | 12.0 | 11.459 | 17.0 | 22.998 | 22.0 | 38.516 | 27.0 | 58.012 | 32.0 | 81.487 |
| .1 | .351 | .1 | 4.012 | .1 | 11.651 | .1 | 23.269 | .1 | 38.866 | .1 | 58.443 | .1 | 81.997 |
| .2 | .385 | .2 | 4.125 | .2 | 11.844 | .2 | 23.542 | .2 | 39.219 | .2 | 58.875 | .2 | 82.509 |
| .3 | .421 | .3 | 4.241 | .3 | 12.039 | .3 | 23.817 | .3 | 39.573 | .3 | 59.308 | .3 | 83.022 |
| .4 | .458 | .4 | 4.358 | .4 | 12.236 | .4 | 24.093 | .4 | 39.929 | .4 | 59.744 | .4 | 83.537 |
| .5 | .497 | .5 | 4.476 | .5 | 12.434 | .5 | 24.371 | .5 | 40.286 | .5 | 60.180 | .5 | 84.054 |
| .6 | .536 | .6 | 4.596 | .6 | 12.634 | .6 | 24.650 | .6 | 40.645 | .6 | 60.619 | .6 | 84.572 |
| .7 | .580 | .7 | 4.718 | .7 | 12.835 | .7 | 24.931 | .7 | 41.005 | .7 | 61.059 | .7 | 85.091 |
| .8 | .624 | .8 | 4.841 | .8 | 13.038 | .8 | 25.213 | .8 | 41.368 | .8 | 61.501 | .8 | 85.613 |
| .9 | .669 | .9 | 4.966 | .9 | 13.242 | .9 | 25.497 | .9 | 41.731 | .9 | 61.944 | .9 | 86.135 |
| 3.0 | .716 | 8.0 | 5.093 | 13.0 | 13.449 | 18.0 | 25.783 | 23.0 | 42.096 | 28.0 | 62.389 | 33.0 | 86.660 |
| .1 | .765 | .1 | 5.221 | .1 | 13.656 | .1 | 26.070 | .1 | 42.463 | .1 | 62.835 | .1 | 87.186 |
| .2 | .815 | .2 | 5.351 | .2 | 13.866 | .2 | 26.359 | .2 | 42.832 | .2 | 63.283 | .2 | 87.714 |
| .3 | .867 | .3 | 5.482 | .3 | 14.076 | .3 | 26.650 | .3 | 43.202 | .3 | 63.733 | .3 | 88.243 |
| .4 | .920 | .4 | 5.615 | .4 | 14.289 | .4 | 26.942 | .4 | 43.573 | .4 | 64.164 | .4 | 88.773 |
| .5 | .975 | .5 | 5.749 | .5 | 14.503 | .5 | 27.235 | .5 | 43.947 | .5 | 64.637 | .5 | 89.306 |
| .6 | 1.031 | .6 | 5.886 | .6 | 14.719 | .6 | 27.531 | .6 | 44.321 | .6 | 65.091 | .6 | 89.840 |
| .7 | 1.089 | .7 | 6.023 | .7 | 14.936 | .7 | 27.827 | .7 | 44.698 | .7 | 65.547 | .7 | 90.375 |
| .8 | 1.149 | .8 | 6.162 | .8 | 15.155 | .8 | 28.126 | .8 | 45.076 | .8 | 66.005 | .8 | 90.913 |
| .9 | 1.210 | .9 | 6.303 | .9 | 15.375 | .9 | 28.426 | .9 | 45.455 | .9 | 66.464 | .9 | 91.451 |
| 4.0 | 1.273 | 9.0 | 6.446 | 14.0 | 15.597 | 19.0 | 28.727 | 24.0 | 45.837 | 29.0 | 66.925 | 34.0 | 91.992 |
| .1 | 1.338 | .1 | 6.590 | .1 | 15.821 | .1 | 29.031 | .1 | 46.219 | .1 | 67.387 | .1 | 92.534 |
| .2 | 1.404 | .2 | 6.735 | .2 | 16.046 | .2 | 29.335 | .2 | 46.604 | .2 | 67.851 | .2 | 93.077 |
| .3 | 1.471 | .3 | 6.883 | .3 | 16.273 | .3 | 29.642 | .3 | 46.990 | .3 | 68.316 | .3 | 93.622 |
| .4 | 1.541 | .4 | 7.031 | .4 | 16.501 | .4 | 29.950 | .4 | 47.377 | .4 | 68.784 | .4 | 94.169 |
| .5 | 1.611 | .5 | 7.182 | .5 | 16.731 | .5 | 30.259 | .5 | 47.766 | .5 | 69.252 | .5 | 94.717 |
| .6 | 1.684 | .6 | 7.334 | .6 | 16.963 | .6 | 30.570 | .6 | 48.157 | .6 | 69.723 | .6 | 95.267 |
| .7 | 1.758 | .7 | 7.487 | .7 | 17.196 | .7 | 30.883 | .7 | 48.549 | .7 | 70.195 | .7 | 95.818 |
| .8 | 1.833 | .8 | 7.643 | .8 | 17.431 | .8 | 31.198 | .8 | 48.943 | .8 | 70.668 | .8 | 96.372 |
| .9 | 1.911 | .9 | 7.799 | .9 | 17.667 | .9 | 31.513 | .9 | 49.339 | .9 | 71.143 | .9 | 96.926 |

$D^2 \times 0.7853982 = \text{Area}$

Use when Diameter is given

| D | Area | D | Area |
|---|---|---|---|
| 0.0 | .000 | 5.0 | 19.635 |
| .1 | .008 | .1 | 20.428 |
| .2 | .031 | .2 | 21.237 |
| .3 | .071 | .3 | 22.062 |
| .4 | .126 | .4 | 22.902 |
| .5 | .196 | .5 | 23.758 |
| .6 | .283 | .6 | 24.630 |
| .7 | .385 | .7 | 25.518 |
| .8 | .503 | .8 | 26.421 |
| .9 | .636 | .9 | 27.340 |
| 1.0 | .785 | 6.0 | 28.274 |
| .1 | .950 | .1 | 29.225 |
| .2 | 1.131 | .2 | 30.191 |
| .3 | 1.327 | .3 | 31.172 |
| .4 | 1.539 | .4 | 32.170 |
| .5 | 1.767 | .5 | 33.183 |
| .6 | 2.011 | .6 | 34.212 |
| .7 | 2.270 | .7 | 35.257 |
| .8 | 2.545 | .8 | 36.317 |
| .9 | 2.835 | .9 | 37.393 |
| 2.0 | 3.142 | 7.0 | 38.485 |
| .1 | 3.464 | .1 | 39.592 |
| .2 | 3.801 | .2 | 40.715 |
| .3 | 4.155 | .3 | 41.854 |
| .4 | 4.524 | .4 | 43.008 |
| .5 | 4.909 | .5 | 44.179 |
| .6 | 5.309 | .6 | 45.365 |
| .7 | 5.726 | .7 | 46.566 |
| .8 | 6.158 | .8 | 47.784 |
| .9 | 6.605 | .9 | 49.017 |
| 3.0 | 7.069 | 8.0 | 50.265 |
| .1 | 7.548 | .1 | 51.530 |
| .2 | 8.042 | .2 | 52.810 |
| .3 | 8.553 | .3 | 54.106 |
| .4 | 9.079 | .4 | 55.418 |
| .5 | 9.621 | .5 | 56.745 |
| .6 | 10.179 | .6 | 58.088 |
| .7 | 10.752 | .7 | 59.447 |
| .8 | 11.341 | .8 | 60.821 |
| .9 | 11.946 | .9 | 62.211 |
| 4.0 | 12.566 | 9.0 | 63.617 |
| .1 | 13.203 | .1 | 65.039 |
| .2 | 13.854 | .2 | 66.476 |
| .3 | 14.522 | .3 | 67.929 |
| .4 | 15.205 | .4 | 69.398 |
| .5 | 15.904 | .5 | 70.882 |
| .6 | 16.619 | .6 | 72.382 |
| .7 | 17.349 | .7 | 73.898 |
| .8 | 18.096 | .8 | 75.430 |
| .9 | 18.857 | .9 | 76.977 |