

Read known temperature in bold face type. Corresponding temperature in degrees Fahrenheit will be found in column to the right. Corresponding temperature in degrees Celsius will be found in column to the left.

## INTERPOLATION FACTORS

| °C             | °F               | °C | °F |
|----------------|------------------|----|----|
| 0.56 - 1 - 1.8 | 3.33 - 6 - 10.8  |    |    |
| 1.11 - 2 - 3.6 | 3.89 - 7 - 12.6  |    |    |
| 1.67 - 3 - 5.4 | 4.44 - 8 - 14.4  |    |    |
| 2.22 - 4 - 7.2 | 5.00 - 9 - 16.2  |    |    |
| 2.78 - 5 - 9.0 | 5.56 - 10 - 18.0 |    |    |

## TEMPERATURE CONVERSION FORMULA

$$^{\circ}\text{C} = (^{\circ}\text{F} - 32) \div 1.8$$

$$^{\circ}\text{F} = (^{\circ}\text{C} \times 1.8) + 32$$

| 0 to 100 |    |       |      |     |       | 100 to 1000 |     |     |     |      |      | 1000 to 2000 |      |      |      |      |      | 2000 to 3000 |      |      |      |      |      |
|----------|----|-------|------|-----|-------|-------------|-----|-----|-----|------|------|--------------|------|------|------|------|------|--------------|------|------|------|------|------|
| °C       |    | °F    | °C   |     | °F    | °C          |     | °F  | °C  |      | °F   | °C           |      | °F   | °C   |      | °F   | °C           |      | °F   | °C   |      | °F   |
| -17.8    | 0  | 32.   | 10.0 | 50  | 122.0 | 38          | 100 | 212 | 260 | 500  | 932  | 538          | 1000 | 1832 | 816  | 1500 | 2732 | 1093         | 2000 | 3632 | 1371 | 2500 | 4532 |
| -17.8    | 1  | 33.8  | 10.6 | 51  | 123.8 | 43          | 110 | 230 | 266 | 510  | 950  | 543          | 1010 | 1850 | 821  | 1510 | 2750 | 1099         | 2010 | 3650 | 1377 | 2510 | 4550 |
| -16.7    | 2  | 35.6  | 11.1 | 52  | 125.6 | 49          | 120 | 248 | 271 | 520  | 968  | 549          | 1020 | 1868 | 827  | 1520 | 2768 | 1104         | 2020 | 3668 | 1382 | 2520 | 4568 |
| -16.1    | 3  | 37.4  | 11.7 | 53  | 127.4 | 54          | 130 | 266 | 277 | 530  | 986  | 554          | 1030 | 1886 | 832  | 1530 | 2786 | 1110         | 2030 | 3686 | 1388 | 2530 | 4586 |
| -15.6    | 4  | 39.2  | 12.2 | 54  | 129.2 | 60          | 140 | 284 | 282 | 540  | 1004 | 560          | 1040 | 1904 | 838  | 1540 | 2804 | 1116         | 2040 | 3704 | 1393 | 2540 | 4604 |
| -15.0    | 5  | 41.0  | 12.8 | 55  | 131.0 | 66          | 150 | 302 | 288 | 550  | 1022 | 566          | 1050 | 1922 | 843  | 1550 | 2822 | 1121         | 2050 | 3722 | 1399 | 2550 | 4622 |
| -14.4    | 6  | 42.8  | 13.3 | 56  | 132.8 | 71          | 160 | 320 | 293 | 560  | 1040 | 571          | 1060 | 1940 | 849  | 1560 | 2840 | 1127         | 2060 | 3740 | 1404 | 2560 | 4640 |
| -13.9    | 7  | 44.6  | 13.9 | 57  | 134.6 | 77          | 170 | 338 | 299 | 570  | 1058 | 577          | 1070 | 1958 | 854  | 1570 | 2858 | 1132         | 2070 | 3758 | 1410 | 2570 | 4658 |
| -13.3    | 8  | 46.4  | 14.4 | 58  | 136.4 | 82          | 180 | 356 | 304 | 580  | 1076 | 582          | 1080 | 1976 | 860  | 1580 | 2876 | 1138         | 2080 | 3776 | 1416 | 2580 | 4676 |
| -12.8    | 9  | 48.2  | 15.0 | 59  | 138.2 | 88          | 190 | 374 | 310 | 590  | 1094 | 588          | 1090 | 1994 | 866  | 1590 | 2894 | 1143         | 2090 | 3794 | 1421 | 2590 | 4694 |
| -12.2    | 10 | 50.0  | 15.6 | 60  | 140.0 | 93          | 200 | 392 | 316 | 600  | 1112 | 593          | 1100 | 2012 | 871  | 1600 | 2912 | 1149         | 2100 | 3812 | 1427 | 2600 | 4712 |
| -11.7    | 11 | 51.8  | 16.1 | 61  | 141.8 | 99          | 210 | 410 | 321 | 610  | 1130 | 599          | 1110 | 2030 | 877  | 1610 | 2930 | 1154         | 2110 | 3830 | 1432 | 2610 | 4730 |
| -11.1    | 12 | 53.6  | 16.7 | 62  | 143.6 | 100         | 212 | 413 | 327 | 620  | 1148 | 604          | 1120 | 2048 | 882  | 1620 | 2948 | 1160         | 2120 | 3848 | 1438 | 2620 | 4748 |
| -10.6    | 13 | 55.4  | 17.2 | 63  | 145.4 | 104         | 220 | 428 | 332 | 630  | 1166 | 610          | 1130 | 2066 | 888  | 1630 | 2966 | 1166         | 2130 | 3866 | 1443 | 2630 | 4766 |
| -10.0    | 14 | 57.2  | 17.8 | 64  | 147.2 | 110         | 230 | 446 | 338 | 640  | 1184 | 616          | 1140 | 2084 | 893  | 1640 | 2984 | 1171         | 2140 | 3884 | 1449 | 2640 | 4784 |
| -9.44    | 15 | 59.0  | 18.3 | 65  | 149.0 | 116         | 240 | 464 | 343 | 650  | 1202 | 621          | 1150 | 2102 | 899  | 1650 | 3002 | 1177         | 2150 | 3902 | 1454 | 2650 | 4802 |
| -8.89    | 16 | 60.8  | 18.9 | 66  | 150.8 | 121         | 250 | 482 | 349 | 660  | 1220 | 627          | 1160 | 2120 | 904  | 1660 | 3020 | 1182         | 2160 | 3920 | 1460 | 2660 | 4820 |
| -8.33    | 17 | 62.6  | 19.4 | 67  | 152.6 | 127         | 260 | 500 | 354 | 670  | 1238 | 632          | 1170 | 2138 | 910  | 1670 | 3038 | 1188         | 2170 | 3938 | 1466 | 2670 | 4838 |
| -7.78    | 18 | 64.4  | 20.0 | 68  | 154.4 | 132         | 270 | 518 | 360 | 680  | 1256 | 638          | 1180 | 2156 | 916  | 1680 | 3056 | 1193         | 2180 | 3956 | 1471 | 2680 | 4856 |
| -7.22    | 19 | 66.2  | 20.6 | 69  | 156.2 | 138         | 280 | 536 | 366 | 690  | 1274 | 643          | 1190 | 2174 | 921  | 1690 | 3074 | 1199         | 2190 | 3974 | 1477 | 2690 | 4874 |
| -6.67    | 20 | 68.0  | 21.1 | 70  | 158.0 | 143         | 290 | 554 | 371 | 700  | 1292 | 649          | 1200 | 2192 | 927  | 1700 | 3092 | 1204         | 2200 | 3992 | 1482 | 2700 | 4892 |
| -6.11    | 21 | 69.8  | 21.7 | 71  | 159.8 | 149         | 300 | 572 | 377 | 710  | 1310 | 654          | 1210 | 2210 | 932  | 1710 | 3110 | 1210         | 2210 | 4010 | 1488 | 2710 | 4910 |
| -5.56    | 22 | 71.6  | 22.2 | 72  | 161.6 | 154         | 310 | 590 | 382 | 720  | 1328 | 660          | 1220 | 2228 | 938  | 1720 | 3128 | 1216         | 2220 | 4028 | 1493 | 2720 | 4928 |
| -5.00    | 23 | 73.4  | 22.8 | 73  | 163.4 | 160         | 320 | 608 | 388 | 730  | 1346 | 666          | 1230 | 2246 | 943  | 1730 | 3146 | 1221         | 2230 | 4046 | 1499 | 2730 | 4946 |
| -4.44    | 24 | 75.2  | 23.3 | 74  | 165.2 | 166         | 330 | 626 | 393 | 740  | 1364 | 671          | 1240 | 2264 | 949  | 1740 | 3164 | 1227         | 2240 | 4064 | 1504 | 2740 | 4964 |
| -3.89    | 25 | 77.0  | 23.9 | 75  | 167.0 | 171         | 340 | 644 | 399 | 750  | 1382 | 677          | 1250 | 2282 | 954  | 1750 | 3182 | 1232         | 2250 | 4082 | 1510 | 2750 | 4982 |
| -3.33    | 26 | 78.8  | 24.4 | 76  | 168.8 | 177         | 350 | 662 | 404 | 760  | 1400 | 682          | 1260 | 2300 | 960  | 1760 | 3200 | 1238         | 2260 | 4100 | 1516 | 2760 | 5000 |
| -2.78    | 27 | 80.6  | 25.0 | 77  | 170.6 | 182         | 360 | 680 | 410 | 770  | 1418 | 688          | 1270 | 2318 | 966  | 1770 | 3218 | 1243         | 2270 | 4118 | 1521 | 2770 | 5018 |
| -2.22    | 28 | 82.4  | 25.6 | 78  | 172.4 | 188         | 370 | 698 | 416 | 780  | 1436 | 693          | 1280 | 2336 | 971  | 1780 | 3236 | 1249         | 2280 | 4136 | 1527 | 2780 | 5036 |
| -1.67    | 29 | 84.2  | 26.1 | 79  | 174.2 | 193         | 380 | 716 | 421 | 790  | 1454 | 699          | 1290 | 2354 | 977  | 1790 | 3254 | 1254         | 2290 | 4154 | 1532 | 2790 | 5054 |
| -1.11    | 30 | 86.0  | 26.7 | 80  | 176.0 | 199         | 390 | 734 | 427 | 800  | 1472 | 704          | 1300 | 2372 | 982  | 1800 | 3272 | 1260         | 2300 | 4172 | 1538 | 2800 | 5072 |
| -0.56    | 31 | 87.8  | 27.2 | 81  | 177.8 | 204         | 400 | 752 | 432 | 810  | 1490 | 710          | 1310 | 2390 | 988  | 1810 | 3290 | 1266         | 2310 | 4190 | 1543 | 2810 | 5090 |
| 0        | 32 | 89.6  | 27.8 | 82  | 179.6 | 210         | 410 | 770 | 438 | 820  | 1508 | 716          | 1320 | 2408 | 993  | 1820 | 3308 | 1271         | 2320 | 4208 | 1549 | 2820 | 5108 |
| 0.56     | 33 | 91.4  | 28.3 | 83  | 181.4 | 216         | 420 | 788 | 443 | 830  | 1526 | 721          | 1330 | 2426 | 999  | 1830 | 3326 | 1277         | 2330 | 4226 | 1554 | 2830 | 5126 |
| 1.11     | 34 | 93.2  | 28.9 | 84  | 183.2 | 221         | 430 | 806 | 449 | 840  | 1544 | 727          | 1340 | 2444 | 1004 | 1840 | 3344 | 1282         | 2340 | 4244 | 1560 | 2840 | 5144 |
| 1.67     | 35 | 95.0  | 29.4 | 85  | 185.0 | 227         | 440 | 824 | 454 | 850  | 1562 | 732          | 1350 | 2462 | 1010 | 1850 | 3362 | 1288         | 2350 | 4262 | 1566 | 2850 | 5162 |
| 2.22     | 36 | 96.8  | 30.0 | 86  | 186.8 | 232         | 450 | 842 | 460 | 860  | 1580 | 738          | 1360 | 2480 | 1016 | 1860 | 3380 | 1293         | 2360 | 4280 | 1571 | 2860 | 5180 |
| 2.78     | 37 | 98.6  | 30.6 | 87  | 188.6 | 238         | 460 | 860 | 466 | 870  | 1598 | 743          | 1370 | 2498 | 1021 | 1870 | 3398 | 1299         | 2370 | 4298 | 1577 | 2870 | 5198 |
| 3.33     | 38 | 100.4 | 31.1 | 88  | 190.4 | 243         | 470 | 878 | 471 | 880  | 1616 | 749          | 1380 | 2516 | 1027 | 1880 | 3416 | 1304         | 2380 | 4316 | 1582 | 2880 | 5216 |
| 3.89     | 39 | 102.2 | 31.7 | 89  | 192.2 | 249         | 480 | 896 | 477 | 890  | 1634 | 754          | 1390 | 2534 | 1032 | 1890 | 3434 | 1310         | 2390 | 4334 | 1588 | 2890 | 5234 |
| 4.44     | 40 | 104.0 | 32.2 | 90  | 194.0 | 254         | 490 | 914 | 482 | 900  | 1652 | 760          | 1400 | 2552 | 1038 | 1900 | 3452 | 1316         | 2400 | 4352 | 1593 | 2900 | 5252 |
| 5.00     | 41 | 105.8 | 32.8 | 91  | 195.8 |             |     |     | 488 | 910  | 1670 | 766          | 1410 | 2570 | 1043 | 1910 | 3470 | 1321         | 2410 | 4370 | 1599 | 2910 | 5270 |
| 5.56     | 42 | 107.6 | 33.3 | 92  | 197.6 |             |     |     | 493 | 920  | 1688 | 771          | 1420 | 2588 | 1049 | 1920 | 3488 | 1327         | 2420 | 4388 | 1604 | 2920 | 5288 |
| 6.11     | 43 | 109.4 | 33.9 | 93  | 199.4 |             |     |     | 499 | 930  | 1706 | 777          | 1430 | 2606 | 1054 | 1930 | 3506 | 1332         | 2430 | 4406 | 1610 | 2930 | 5306 |
| 6.67     | 44 | 111.2 | 34.4 | 94  | 201.2 |             |     |     | 504 | 940  | 1724 | 782          | 1440 | 2624 | 1060 | 1940 | 3524 | 1338         | 2440 | 4424 | 1616 | 2940 | 5324 |
| 7.22     | 45 | 113.0 | 35.0 | 95  | 203.0 |             |     |     | 510 | 950  | 1742 | 788          | 1450 | 2642 | 1066 | 1950 | 3542 | 1343         | 2450 | 4442 | 1621 | 2950 | 5342 |
| 7.78     | 46 | 114.8 | 35.6 | 96  | 204.8 |             |     |     | 516 | 960  | 1760 | 793          | 1460 | 2660 | 1071 | 1960 | 3560 | 1349         | 2460 | 4460 | 1627 | 2960 | 5360 |
| 8.33     | 47 | 116.6 | 36.1 | 97  | 206.6 |             |     |     | 521 | 970  | 1778 | 799          | 1470 | 2678 | 1077 | 1970 | 3578 | 1354         | 2470 | 4478 | 1632 | 2970 | 5378 |
| 8.89     | 48 | 118.4 | 36.7 | 98  | 208.4 |             |     |     | 527 | 980  | 1796 | 804          | 1480 | 2696 | 1082 | 1980 | 3596 | 1360         | 2480 | 4496 | 1638 | 2980 | 5396 |
| 9.44     | 49 | 120.2 | 37.2 | 99  | 210.2 |             |     |     | 532 | 990  | 1814 | 810          | 1490 | 2714 | 1088 | 1990 | 3614 | 1366         | 2490 | 4514 | 1643 | 2990 | 5414 |
|          |    |       | 37.8 | 100 | 212.0 |             |     |     | 538 | 1000 | 1832 |              |      |      | 1093 | 2000 | 3632 |              |      |      | 1649 | 3000 | 5432 |