

COMMON LOGARITHMS

Table 4.1

| $x$ | $\log_{10} x$   | $x$   | $\log_{10} x$ | $x$   | $\log_{10} x$ | $x$ | $\log_{10} x$ | $x$   | $\log_{10} x$ |       |       |     |       |   |
|-----|---|-------|---------------|---|---------------|-----|---------------|---|---------------|-------|-------|-----|-------|---|
| 100 | 00000   | 00000 | 150           | 17609   | 12591         | 200 | 30102         | 99957   | 250           | 39794 | 00087 | 300 | 47712 | 12547   |
| 101 | 00432   | 13738 | 151           | 17897   | 69473         | 201 | 30319         | 60574   | 251           | 39967 | 37215 | 301 | 47856 | 64956   |
| 102 | 00860   | 01718 | 152           | 18184   | 35879         | 202 | 30535         | 13694   | 252           | 40140 | 05408 | 302 | 48000 | 69430   |
| 103 | 01283   | 72247 | 153           | 18469   | 14308         | 203 | 30749         | 60379   | 253           | 40312 | 05212 | 303 | 48144 | 26285   |
| 104 | 01703   | 33393 | 154           | 18752   | 07208         | 204 | 30963         | 01674   | 254           | 40483 | 37166 | 304 | 48287 | 35836   |
| 105 | 02118   | 92991 | 155           | 19033   | 16982         | 205 | 31175         | 38611   | 255           | 40654 | 01804 | 305 | 48429 | 98393   |
| 106 | 02530   | 58653 | 156           | 19312   | 45984         | 206 | 31386         | 72204   | 256           | 40823 | 99653 | 306 | 48572 | 14265   |
| 107 | 02938   | 37777 | 157           | 19589   | 96524         | 207 | 31597         | 03455   | 257           | 40993 | 31233 | 307 | 48713 | 83755   |
| 108 | 03342   | 37555 | 158           | 19865   | 70870         | 208 | 31806         | 33350   | 258           | 41161 | 97060 | 308 | 48855 | 07165   |
| 109 | 03742   | 64979 | 159           | 20139   | 71243         | 209 | 32014         | 62861   | 259           | 41329 | 97641 | 309 | 48995 | 84794   |
| 110 | 04139   | 26852 | 160           | 20411   | 99827         | 210 | 32221         | 92947   | 260           | 41497 | 33480 | 310 | 49136 | 16938   |
| 111 | 04532   | 29788 | 161           | 20682   | 58760         | 211 | 32428         | 24553   | 261           | 41664 | 05073 | 311 | 49276 | 03890   |
| 112 | 04921   | 80227 | 162           | 20951   | 50145         | 212 | 32633         | 58609   | 262           | 41830 | 12913 | 312 | 49415 | 45940   |
| 113 | 05307   | 84435 | 163           | 21218   | 76044         | 213 | 32837         | 96034   | 263           | 41995 | 57485 | 313 | 49554 | 43375   |
| 114 | 05690   | 48513 | 164           | 21484   | 38480         | 214 | 33041         | 37733   | 264           | 42160 | 39269 | 314 | 49692 | 96481   |
| 115 | 06069   | 78404 | 165           | 21748   | 39442         | 215 | 33243         | 84599   | 265           | 42324 | 58739 | 315 | 49831 | 05538   |
| 116 | 06445   | 79892 | 166           | 22010   | 80880         | 216 | 33445         | 37512   | 266           | 42488 | 16366 | 316 | 49968 | 70826   |
| 117 | 06818   | 58617 | 167           | 22271   | 64711         | 217 | 33645         | 97338   | 267           | 42651 | 12614 | 317 | 50105 | 92622   |
| 118 | 07188   | 20073 | 168           | 22530   | 92817         | 218 | 33845         | 64936   | 268           | 42813 | 47940 | 318 | 50242 | 71200   |
| 119 | 07554   | 69614 | 169           | 22788   | 67046         | 219 | 34044         | 41148   | 269           | 42975 | 22800 | 319 | 50379 | 06831   |
| 120 | 07918   | 12460 | 170           | 23044   | 89214         | 220 | 34242         | 26808   | 270           | 43136 | 37642 | 320 | 50514 | 99783   |
| 121 | 08278   | 53703 | 171           | 23299   | 61104         | 221 | 34439         | 22737   | 271           | 43296 | 92909 | 321 | 50650 | 50324   |
| 122 | 08635   | 98307 | 172           | 23552   | 84469         | 222 | 34635         | 29745   | 272           | 43456 | 89040 | 322 | 50785 | 58717   |
| 123 | 08990   | 51114 | 173           | 23804   | 61031         | 223 | 34830         | 48630   | 273           | 43616 | 26470 | 323 | 50920 | 25223   |
| 124 | 09342   | 16852 | 174           | 24054   | 92483         | 224 | 35024         | 80183   | 274           | 43775 | 05628 | 324 | 51054 | 50102   |
| 125 | 09691   | 00130 | 175           | 24303   | 80487         | 225 | 35218         | 25181   | 275           | 43933 | 26938 | 325 | 51188 | 33610   |
| 126 | 10037   | 05451 | 176           | 24551   | 26678         | 226 | 35410         | 84391   | 276           | 44090 | 90821 | 326 | 51321 | 76001   |
| 127 | 10380   | 37210 | 177           | 24797   | 32664         | 227 | 35602         | 58572   | 277           | 44247 | 97691 | 327 | 51454 | 77527   |
| 128 | 10720   | 99696 | 178           | 25042   | 00023         | 228 | 35793         | 48470   | 278           | 44404 | 47959 | 328 | 51587 | 38437   |
| 129 | 11058   | 97103 | 179           | 25285   | 30310         | 229 | 35983         | 54823   | 279           | 44560 | 42033 | 329 | 51719 | 58979   |
| 130 | 11394   | 33523 | 180           | 25527   | 25051         | 230 | 36172         | 78360   | 280           | 44715 | 80313 | 330 | 51851 | 39399   |
| 131 | 11727   | 12957 | 181           | 25767   | 85749         | 231 | 36361         | 19799   | 281           | 44870 | 63199 | 331 | 51982 | 79938   |
| 132 | 12057   | 39312 | 182           | 26007   | 13880         | 232 | 36548         | 79849   | 282           | 45024 | 91083 | 332 | 52113 | 80837   |
| 133 | 12385   | 16410 | 183           | 26245   | 10897         | 233 | 36735         | 59210   | 283           | 45178 | 64355 | 333 | 52244 | 42335   |
| 134 | 12710   | 47984 | 184           | 26481   | 78230         | 234 | 36921         | 58574   | 284           | 45331 | 83400 | 334 | 52374 | 64668   |
| 135 | 13033   | 37685 | 185           | 26717   | 17284         | 235 | 37106         | 78623   | 285           | 45484 | 48600 | 335 | 52504 | 48070   |
| 136 | 13353   | 89084 | 186           | 26951   | 29442         | 236 | 37291         | 20030   | 286           | 45636 | 60331 | 336 | 52633 | 92774   |
| 137 | 13672   | 05672 | 187           | 27184   | 16065         | 237 | 37474         | 83460   | 287           | 45788 | 18967 | 337 | 52762 | 99009   |
| 138 | 13987   | 90864 | 188           | 27415   | 78493         | 238 | 37657         | 69571   | 288           | 45939 | 24878 | 338 | 52891 | 67003   |
| 139 | 14301   | 48003 | 189           | 27646   | 18042         | 239 | 37839         | 79009   | 289           | 46089 | 78428 | 339 | 53019 | 96982   |
| 140 | 14612   | 80357 | 190           | 27875   | 36010         | 240 | 38021         | 12417   | 290           | 46239 | 79979 | 340 | 53147 | 89170   |
| 141 | 14921   | 91127 | 191           | 28103   | 33672         | 241 | 38201         | 70426   | 291           | 46389 | 29890 | 341 | 53275 | 43790   |
| 142 | 15228   | 83444 | 192           | 28330   | 12287         | 242 | 38381         | 53660   | 292           | 46538 | 28514 | 342 | 53402 | 61061   |
| 143 | 15533   | 60375 | 193           | 28555   | 73090         | 243 | 38560         | 62736   | 293           | 46686 | 76204 | 343 | 53529 | 41200   |
| 144 | 15836   | 24921 | 194           | 28780   | 17299         | 244 | 38738         | 98263   | 294           | 46834 | 73304 | 344 | 53655 | 84426   |
| 145 | 16136   | 80022 | 195           | 29003   | 46114         | 245 | 38916         | 60844   | 295           | 46982 | 20160 | 345 | 53781 | 90951   |
| 146 | 16435   | 28558 | 196           | 29225   | 60714         | 246 | 39093         | 51071   | 296           | 47129 | 17111 | 346 | 53907 | 60988   |
| 147 | 16731   | 73347 | 197           | 29446   | 62262         | 247 | 39269         | 69533   | 297           | 47275 | 64493 | 347 | 54032 | 94748   |
| 148 | 17026   | 17154 | 198           | 29666   | 51903         | 248 | 39445         | 16808   | 298           | 47421 | 62641 | 348 | 54157 | 92439   |
| 149 | 17318   | 62684 | 199           | 29885   | 30764         | 249 | 39619         | 93471   | 299           | 47567 | 11883 | 349 | 54282 | 54270   |
| 150 | 17609   | 12591 | 200           | 30102   | 99957         | 250 | 39794         | 00087   | 300           | 47712 | 12547 | 350 | 54406 | 80444   |
|     | $\left[ \begin{smallmatrix} (-6)6 \\ 5 \end{smallmatrix} \right]$ |       |               | $\left[ \begin{smallmatrix} (-6)2 \\ 5 \end{smallmatrix} \right]$ |               |     |               | $\left[ \begin{smallmatrix} (-6)1 \\ 4 \end{smallmatrix} \right]$ |               |       |       |     |       | $\left[ \begin{smallmatrix} (-7)6 \\ 4 \end{smallmatrix} \right]$ |

For use of common logarithms see Examples 1-3. For  $100 < x < 135$  interpolate in the range  $1000 < x < 1350$ . Compiled from A. J. Thompson, Standard table of logarithms to twenty decimal places, Tracts for Computers, No. 22. Cambridge Univ. Press, Cambridge, England, 1952 (with permission).