



planetmath.org

Math for the people, by the people.

table of common logarithms

Canonical name	TableOfCommonLogarithms
Date of creation	2013-03-22 18:08:50
Last modified on	2013-03-22 18:08:50
Owner	PrimeFan (13766)
Last modified by	PrimeFan (13766)
Numerical id	4
Author	PrimeFan (13766)
Entry type	Data Structure
Classification	msc 01-08
Classification	msc 65A05
Classification	msc 26-00
Classification	msc 26A09

This table is for integers in the range  $-1 < n < 100$ . To find the common logarithm (that is, with base 10, the same base of our numeral system) for the desired  $n$ , look for the ten's place digit (0 in the case of  $-1 < n < 10$ ) in the leftmost column and the one's place digit in the topmost row. The intersection  $x$  of that row and column thus gives  $\log_{10} n$  to four or five decimal places.

$n$	0	1	2	3	4	5	6	7	8
0	$-\infty$	0.00000	0.30103	0.477121	0.60206	0.69897	0.778151	0.845098	0.90309
1	1.	1.04139	1.07918	1.11394	1.14613	1.17609	1.20412	1.23045	1.25527
2	1.30103	1.32222	1.34242	1.36173	1.38021	1.39794	1.41497	1.43136	1.44716
3	1.47712	1.49136	1.50515	1.51851	1.53148	1.54407	1.5563	1.5682	1.57978
4	1.60206	1.61278	1.62325	1.63347	1.64345	1.65321	1.66276	1.6721	1.68124
5	1.69897	1.70757	1.716	1.72428	1.73239	1.74036	1.74819	1.75587	1.76343
6	1.77815	1.78533	1.79239	1.79934	1.80618	1.81291	1.81954	1.82607	1.83251
7	1.8451	1.85126	1.85733	1.86332	1.86923	1.87506	1.88081	1.88649	1.89209
8	1.90309	1.90849	1.91381	1.91908	1.92428	1.92942	1.9345	1.93952	1.94448
9	1.95424	1.95904	1.96379	1.96848	1.97313	1.97772	1.98227	1.98677	1.99123