

Continue

COMMON ANTILOGARITHM TABLE

	0	1	2	3	4	5	6	7	8	9	Mean difference								
											1	2	3	4	5	6	7	8	9
.00	1000	1002	1005	1007	1009	1012	1014	1016	1019	1021	0	0	1	1	1	1	2	2	2
.01	1023	1026	1028	1030	1033	1035	1038	1040	1042	1045	0	0	1	1	1	1	2	2	2
.02	1047	1050	1052	1054	1057	1059	1062	1064	1067	1069	0	0	1	1	1	1	2	2	2
.03	1072	1074	1076	1079	1081	1084	1086	1089	1091	1094	0	0	1	1	1	1	2	2	2
.04	1096	1099	1102	1104	1107	1109	1112	1114	1117	1119	0	1	1	1	1	2	2	2	2
.05	1122	1125	1127	1130	1132	1135	1138	1140	1143	1146	0	1	1	1	1	2	2	2	2
.06	1148	1151	1153	1156	1159	1161	1164	1167	1169	1172	0	1	1	1	1	2	2	2	2
.07	1175	1178	1180	1183	1186	1189	1191	1194	1197	1199	0	1	1	1	1	2	2	2	2
.08	1202	1205	1208	1211	1213	1216	1219	1222	1225	1227	0	1	1	1	1	2	2	2	3
.09	1230	1233	1236	1239	1242	1245	1247	1250	1253	1256	0	1	1	1	1	2	2	2	3
.10	1259	1262	1265	1268	1271	1274	1276	1279	1282	1285	0	1	1	1	1	2	2	2	3
.11	1288	1291	1294	1297	1300	1303	1306	1309	1312	1315	0	1	1	1	2	2	2	2	3
.12	1318	1321	1324	1327	1330	1334	1337	1340	1343	1346	0	1	1	1	2	2	2	2	3
.13	1349	1352	1355	1358	1361	1365	1368	1371	1374	1377	0	1	1	1	2	2	2	2	3
.14	1380	1384	1387	1390	1393	1396	1400	1403	1406	1409	0	1	1	1	2	2	2	2	3
.15	1413	1416	1419	1422	1426	1429	1432	1435	1439	1442	0	1	1	1	2	2	2	2	3
.16	1445	1449	1452	1455	1459	1462	1466	1469	1472	1476	0	1	1	1	2	2	2	2	3
.17	1479	1483	1486	1489	1493	1496	1500	1503	1507	1510	0	1	1	1	2	2	2	2	3
.18	1514	1517	1521	1524	1528	1531	1535	1538	1542	1545	0	1	1	1	2	2	2	2	3
.19	1549	1552	1556	1560	1563	1567	1570	1574	1578	1581	0	1	1	1	2	2	2	2	3
.20	1585	1589	1592	1596	1600	1603	1607	1611	1614	1618	0	1	1	1	2	2	2	2	3
.21	1622	1626	1629	1633	1637	1641	1644	1648	1652	1656	0	1	1	1	2	2	2	2	3
.22	1660	1663	1667	1671	1675	1679	1683	1687	1690	1694	0	1	1	1	2	2	2	2	3
.23	1698	1702	1706	1710	1714	1718	1722	1726	1730	1734	0	1	1	1	2	2	2	2	3
.24	1738	1742	1746	1750	1754	1758	1762	1766	1770	1774	0	1	1	1	2	2	2	2	3
.25	1778	1782	1786	1791	1795	1799	1803	1807	1811	1816	0	1	1	1	2	2	2	2	3
.26	1820	1824	1828	1832	1837	1841	1845	1849	1854	1858	0	1	1	1	2	2	2	2	3
.27	1862	1866	1871	1875	1879	1884	1888	1892	1897	1901	0	1	1	1	2	2	2	2	3
.28	1905	1910	1914	1919	1923	1928	1932	1936	1941	1945	0	1	1	1	2	2	2	2	3
.29	1950	1954	1959	1963	1968	1972	1977	1982	1986	1991	0	1	1	1	2	2	2	2	3
.30	1995	2000	2004	2009	2014	2018	2023	2028	2032	2037	0	1	1	1	2	2	2	2	3
.31	2042	2046	2051	2056	2061	2065	2070	2075	2080	2084	0	1	1	1	2	2	2	2	3
.32	2089	2094	2099	2104	2109	2113	2118	2123	2128	2133	0	1	1	1	2	2	2	2	3
.33	2138	2143	2148	2153	2158	2163	2168	2173	2178	2183	0	1	1	1	2	2	2	2	3
.34	2188	2193	2198	2203	2208	2213	2218	2223	2228	2234	1	1	2	2	2	2	2	2	3
.35	2239	2244	2249	2254	2259	2265	2270	2275	2280	2286	1	1	2	2	2	2	2	2	3
.36	2291	2296	2301	2307	2312	2317	2323	2328	2333	2339	1	1	2	2	2	2	2	2	3
.37	2344	2350	2355	2360	2366	2371	2377	2382	2388	2393	1	1	2	2	2	2	2	2	3
.38	2399	2404	2410	2415	2421	2427	2432	2438	2443	2449	1	1	2	2	2	2	2	2	3
.39	2455	2460	2466	2472	2477	2483	2489	2495	2500	2506	1	1	2	2	2	2	2	2	3
.40	2512	2518	2523	2529	2535	2541	2547	2553	2559	2564	1	1	2	2	2	2	2	2	3
.41	2570	2576	2582	2588	2594	2600	2606	2612	2618	2624	1	1	2	2	2	2	2	2	3
.42	2630	2636	2642	2649	2655	2661	2667	2673	2679	2685	1	1	2	2	2	2	2	2	3
.43	2692	2698	2704	2710	2716	2723	2729	2735	2742	2748	1	1	2	2	2	2	2	2	3
.44	2754	2761	2767	2773	2780	2786	2793	2799	2805	2812	1	1	2	2	2	2	2	2	3
.45	2818	2825	2831	2838	2844	2851	2858	2864	2871	2877	1	1	2	2	2	2	2	2	3
.46	2884	2891	2897	2904	2911	2917	2924	2931	2938	2944	1	1	2	2	2	2	2	2	3
.47	2951	2958	2965	2972	2979	2985	2992	2999	3006	3013	1	1	2	2	2	2	2	2	3
.48	3020	3027	3034	3041	3048	3055	3062	3069	3076	3083	1	1	2	2	2	2	2	2	3
.49	3090	3097	3105	3112	3119	3126	3133	3141	3148	3155	1	1	2	2	2	2	2	2	3
.50	3162	3170	3177	3184	3192	3199	3206	3214	3221	3228	1	1	2	2	2	2	2	2	3
.51	3236	3243	3251	3258	3266	3273	3281	3289	3296	3304	1	2	2	2	2	2	2	2	3
.52	3311	3319	3327	3334	3342	3350	3357	3365	3373	3381	1	2	2	2	2	2	2	2	3
.53	3388	3396	3404	3412	3420	3428	3436	3443	3451	3459	1	2	2	2	2	2	2	2	3
.54	3467	3475	3483	3491	3499	3508	3516	3524	3532	3540	1	2	2	2	2	2	2	2	3
.55	3548	3556	3565	3573	3581	3589	3597	3606	3614	3622	1	2	2	2	2	2	2	2	3
.56	3631	3639	3648	3656	3664	3673	3681	3690	3698	3707	1	2	2	2	2	2	2	2	3
.57	3715	3724	3733	3741	3750	3758	3767	3776	3784	3793	1	2	2	2	2	2	2	2	3
.58	3802	3811	3819	3828	3837	3846	3855	3864	3873	3882	1	2	2	2	2	2	2	2	3
.59	3890	3899	3908	3917	3926	3936	3945	3954	3963	3972	1	2	2	2	2	2	2	2	3
.60	3981	3990	3999	4009	4018	4027	4036	4046	4055	4064	1	2	2	2	2	2	2	2	3
.61	4074	4083	4093	4102	4111	4121	4130	4140	4150	4159	1	2	2	2	2	2	2	2	3
.62	4169	4178	4188	4198	4207	4217	4227	4236	4246	4256	1	2	2	2	2	2	2	2	3
.63	4266	4276	4285	4295	4305	4315	4325	4335	4345	4355	1	2	2	2	2	2	2	2	3
.64	4365	4375	4385	4395	4406	4416	4426	4436	4446	4457	1	2	2	2	2	2	2	2	3
.65	4467	4477	4487	4498	4508	4519	4529	4539	4550	4560	1	2	2	2	2	2	2	2	3
.66	4571	4581	4592	4603	4613	4624	4634	4645	4656	4667	1	2	2	2	2	2	2	2	3
.67	4677	4688	4699	4710	4721	4732	4742	4753	4764	4775	1	2	2	2	2	2	2	2	3
.68	4786	4797	4808	4819	4831	4842	4853	4864	4875	4887	1	2	2	2	2	2	2	2	3
.69	4898	4909	4920	4932	4943	4955	4966	4977	4989	5000	1	2	2	2	2	2	2	2	3
.70	5012	5023	5035	5047	5058	5070	5082	5093	5105	5117	1	2	2	2	2	2	2	2	3
.71	5129	5140	5152	5164	5176	5188	5200	5212	5224	5236	1	2	4	5	6	7	8	10	11
.72																			

Logarithm Table																				
											Mean Differences									
	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
10	0000	0043	0086	0128	0171	0212	0253	0294	0334	0374	4	8	12	17	21	25	29	33	37	
11	0414	0453	0493	0531	0569	0607	0645	0682	0719	0755	8	11	15	19	23	26	30	34		
12	0792	0828	0864	0899	0934	0969	1004	1038	1072	1106	3	7	10	14	17	21	24	28	31	
13	1139	1173	1206	1239	1271	1303	1335	1367	1399	1430	3	6	10	13	16	19	23	26	29	
14	1461	1492	1523	1553	1584	1614	1644	1673	1703	1732	3	5	9	12	15	18	21	24	27	
15	1761	1790	1818	1847	1875	1903	1931	1959	1987	2014	3	6	8	11	14	17	20	22	25	
16	2041	2068	2095	2122	2148	2175	2201	2227	2253	2279	3	5	8	11	13	16	18	21	24	
17	2304	2330	2355	2380	2405	2430	2455	2480	2504	2529	2	5	7	10	12	15	17	20	22	
18	2553	2577	2601	2625	2648	2672	2695	2718	2742	2765	2	5	7	9	12	14	16	19	21	
19	2788	2810	2833	2856	2878	2900	2923	2945	2967	2989	2	4	7	9	11	13	16	18	20	
20	3043	3065	3087	3109	3131	3153	3175	3197	3219	3240	2	4	6	8	10	12	14	16	18	
21	3272	3293	3313	3334	3354	3375	3395	3415	3435	3455	2	4	6	8	10	12	14	16	18	
22	3484	3494	3504	3513	3522	3532	3541	3550	3559	3568	2	4	6	8	10	12	14	15	17	
23	3617	3636	3655	3674	3692	3711	3729	3747	3766	3784	2	4	6	8	10	12	14	15	17	
24	3802	3820	3838	3856	3874	3892	3909	3927	3945	3962	2	4	5	7	9	11	12	14	16	
25	3979	3997	4014	4031	4048	4065	4082	4099	4116	4133	2	3	5	7	9	10	12	14	15	
26	4150	4166	4183	4200	4216	4232	4249	4265	4281	4298	2	3	5	7	8	10	11	13	15	
27	4314	4330	4346	4362	4378	4393	4409	4425	4440	4456	2	3	5	6	8	9	11	13	14	
28	4472	4487	4502	4518	4533	4548	4564	4579	4594	4609	2	3	5	6	8	9	11	12	14	
29	4624	4639	4654	4669	4683	4698	4713	4728	4742	4757	1	3	4	6	7	9	10	12	13	
30	4771	4786	4800	4814	4829	4843	4857	4871	4886	4900	1	3	4	6	7	9	10	11	13	
31	4914	4928	4942	4955	4969	4982	4997	5011	5024	5038	1	3	4	6	7	8	9	11	12	
32	5051	5065	5079	5092	5105	5119	5132	5145	5159	5172	1	3	4	5	7	8	9	11	12	
33	5185	5198	5211	5224	5237	5250	5263	5276	5289	5302	1	3	4	5	6	8	9	10	12	
34	5315	5328	5340	5353	5366	5378	5391	5403	5416	5428	1	3	4	5	6	8	9	10	11	
35	5441	5453	5465	5478	5490	5502	5514	5527	5539	5551	1	2	4	5	6	7	9	10	11	
36	5563	5575	5587	5599	5611	5623	5635	5647	5658	5670	1	2	4	5	6	7	8	10	11	
37	5682	5694	5705	5717	5729	5740	5752	5763	5775	5786	1	2	3	5	6	7	8	9	10	
38	5798	5809	5821	5832	5843	5855	5866	5877	5888	5899	1	2	3	4	5	6	7	8	9	
39	5911	5922	5933	5944	5955	5965	5977	5988	5999	6010	1	2	3	4	5	6	7	8	9	
40	6021	6031	6041	6051	6061	6071	6081	6091	6101	6111	1	2	3	4	5	6	7	8	9	
41	6128	6138	6148	6158	6168	6178	6188	6198	6208	6218	1	2	3	4	5	6	7	8	9	
42	6232	6243	6253	6263	6274	6284	6294	6304	6314	6325	1	2	3	4	5	6	7	8	9	
43	6335	6345	6355	6365	6375	6385	6395	6405	6415	6425	1	2	3	4	5	6	7	8	9	
44	6435	6444	6454	6464	6474	6484	6493	6503	6513	6522	1	2	3	4	5	6	7	8	9	
45	6532	6542	6551	6561	6571	6580	6590	6599	6609	6618	1	2	3	4	5	6	7	8	9	
46	6628	6637	6646	6656	6665	6675	6684	6693	6702	6712	1	2	3	4	5	6	7	7	8	
47	6721	6730	6739	6749	6758	6767	6776	6785	6794	6803	1	2	3	4	5	5	6	7	8	
48	6812	6821	6830	6839	6848	6857	6866	6875	6884	6893	1	2	3	4	4	5	6	7	8	
49	6902	6911	6920	6929	6938	6947	6956	6965	6974	6983	1	2	3	4	4	5	6	7	8	
50	6990	6998	7007	7016	7024	7033	7042	7050	7059	7067	1	2	3	3	4	5	6	7	8	
51	7076	7084	7093	7101	7110	7118	7126	7135	7143	7152	1	2	3	3	4	5	6	7	8	
52	7160	7168	7177	7185	7193	7202	7210	7218	7226	7235	1	2	2	3	4	5	6	6	7	
53	7243	7251	7259	7267	7275	7284	7292	7300	7308	7316	1	2	2	3	4	5	6	6	7	
54	7324	7332	7340	7348	7356	7364	7372	7380	7388	7396	1	2	2	3	4	5	5	6	7	
55	7404	7412	7419	7427	7435	7443	7451	7459	7466	7474	1	2	2	3	4	5	5	6	7	
56	7482	7490	7497	7505	7513	7521	7529	7536	7543	7551	1	2	2	3	4	5	5	6	7	
57	7569	7576	7584	7592	7600	7607	7615	7623	7630	7638	1	2	2	3	4	5	5	6	7	
58	7654	7662	7670	7678	7686	7694	7702	7710	7718	7726	1	2	2	3	4	5	5	6	7	
59	7746	7754	7762	7770	7778	7786	7794	7802	7810	7818	1	2	2	3	4	5	5	6	7	
60	7840	7848	7856	7864	7872	7880	7888	7896	7904	7912	1	2	2	3	4	5	5	6	7	
61	7946	7954	7962	7970	7978	7986	7994	8002	8010	8018	1	2	2	3	4	5	5	6	7	
62	8064	8072	8080	8088	8096	8104	8112	8120	8128	8136	1	2	2	3	4	5	5	6	7	
63	8192	8199	8206	8214	8221	8228	8235	8242	8250	8257	1	2	2	3	4	5	5	6	7	
64	8308	8315	8322	8329	8336	8343	8350	8357	8364	8371	1	2	2	3	4	5	5	6	7	
65	8437	8444	8451	8458	8465	8472	8479	8486	8493	8500	1	2	2	3	4	5	5	6	7	
66	8561	8568	8575	8582	8589	8596	8603	8610	8617	8624	1	2	2	3	4	5	5	6	7	
67	8690	8697	8704	8711	8718	8725	8732	8739	8746	8753	1	2	2	3	4	5	5	6	7	
68	8828	8835	8842	8849	8856	8863	8870	8877	8884	8891	1	2	2	3	4	5	5	6	7	
69	8969	8976	8983	8990	8997	9004	9011	9018	9025	9032	1	2	2	3	4	5	5	6	7	
70	9101	9108	9115	9122	9129	9136	9143	9150	9157	9164	1	2	2	3	4	5	5	6	7	
71	9242	9249	9256	9263	9270	9277	9284	9291	9298	9305	1	2	2	3	4	5	5	6	7	
72	9387	9394	9401	9408	9415	9422	9429	9436	9443	9450	1	2	2	3	4	5	5	6	7	
73	9536	9543	9550	9557	9564	9571	9578	9585	9592	9599	1	2	2	3	4	5	5	6	7	
74	9690	9697	9704	9711	9718	9725	9732	9739	9746	9753	1	2	2	3	4	5	5	6	7	
75	9849	9856	9863	9870	9877	9884	9891	9898	9905	9912	1	2	2	3	4	5	5	6	7	
76	9961	9968	9975	9982	9989	9996	10003	10010	10017	10024	1	2	2	3	4	5	5	6	7	
77	10080	10087	10094	10101	10108	10115	10122	10129	10136	10143	1	2	2	3	4	5	5	6	7	
78	10204	10211	10218	10225	10232	10239	10246	10253	10260	10267	1	2	2	3	4	5	5	6	7	
79	10332	10339	10346	10353	10360	10367	10374	10381	10388	10395	1	2	2	3	4	5	5	6	7	
80	10468	10475	10482	10489	10496	10503	10510	10517	10524	10531	1	2	2	3	4	5	5	6	7	
81	10611	10618	10625	10632	10639	10646	10653	10660	10667	10674	1	2	2	3	4	5	5	6	7	
82	10740	10747	10754	10761	10768	10775	10782	10789	10796	10803	1	2	2	3	4	5	5	6	7	
83	10880	10887	10894	10901	10908	10915	10922	10929	10936	10943	1	2	2	3	4	5	5	6	7	
84	10988	10995	11002	11009	11016	11023	11030	11037	11044	11051	1	2	2	3	4	5	5	6	7	
85	11100	11107	11114	11121	11128	11135	11142	11149												

LOGARITHM TABLES																				
	0	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9	
10	0000	0043	0086	0128	0171	0212	0253	0294	0334	0374	4	8	12	17	21	25	29	33	37	
11	0414	0453	0492	0531	0569	0607	0645	0682	0719	0755	4	8	11	15	19	23	26	30	34	
12	0792	0828	0864	0899	0934	0969	1004	1038	1072	1106	3	7	10	14	17	21	24	28	31	
13	1139	1173	1206	1239	1271	1303	1335	1367	1399	1430	3	6	10	13	16	19	23	26	29	
14	1461	1492	1523	1553	1584	1614	1644	1673	1703	1732	3	6	9	12	15	18	21	24	27	
15	1761	1790	1818	1847	1875	1903	1931	1959	1987	2014	3	6	8	11	14	17	20	22	25	
16	2041	2068	2095	2122	2148	2175	2201	2227	2253	2279	3	5	8	11	13	16	18	21	24	
17	2304	2330	2355	2380	2405	2430	2455	2480	2504	2529	2	5	7	10	12	15	17	20	22	
18	2553	2577	2601	2625	2648	2672	2695	2718	2742	2765	2	5	7	9	12	14	16	19	21	
19	2788	2810	2833	2856	2878	2900	2923	2945	2967	2989	2	4	7	9	11	13	15	18	20	
20	3010	3032	3054	3075	3096	3118	3139	3161	3181	3201	2	4	6	8	10	11	13	15	17	
21	3222	3243	3263	3284	3304	3324	3345	3365	3385	3404	2	4	6	8	10	12	14	16	18	
22	3424	3444	3464	3483	3502	3522	3541	3560	3579	3598	2	4	6	8	10	12	14	15	17	
23	3617	3636	3655	3674	3692	3711	3729	3747	3766	3784	2	4	6	7	9	11	13	15	17	
24	3802	3820	3838	3856	3874	3892	3909	3927	3945	3962	2	4	5	7	9	11	12	14	16	
25	3979	3997	4014	4031	4048	4065	4082	4099	4116	4133	2	3	5	7	9	10	12	14	15	
26	4150	4166	4183	4200	4216	4232	4249	4265	4281	4298	2	3	5	7	8	10	11	13	15	
27	4314	4330	4346	4362	4378	4393	4409	4425	4440	4456	2	3	5	6	8	9	11	13	14	
28	4472	4487	4502	4518	4533	4548	4564	4579	4594	4609	2	3	5	6	8	9	11	12	14	
29	4624	4639	4654	4669	4683	4698	4713	4728	4742	4757	1	3	4	6	7	9	10	12	13	
30	4771	4786	4800	4814	4829	4843	4857	4871	4886	4900	1	3	4	6	7	9	10	11	13	
31	4914	4928	4942	4955	4969	4983	4997	5011	5024	5038	1	3	4	6	7	8	10	11	12	
32	5051	5065	5079	5092	5105	5119	5132	5145	5159	5172	1	3	4	5	7	8	9	11	12	
33	5185	5198	5211	5224	5237	5250	5263	5276	5289	5302	1	3	4	5	6	8	9	10	12	
34	5315	5328	5340	5353	5366	5378	5391	5403	5416	5428	1	3	4	5	6	8	9	10	11	
35	5441	5453	5465	5478	5490	5502	5514	5527	5539	5551	1	2	4	5	6	7	9	10	11	
36	5563	5575	5587	5599	5611	5623	5635	5647	5658	5670	1	2	4	5	6	7	8	10	11	
37	5682	5694	5705	5717	5729	5740	5752	5763	5775	5786	1	2	3	5	6	7	8	9	10	
38	5798	5809	5821	5832	5843	5855	5866	5877	5888	5899	1	2	3	5	6	7	8	9	10	
39	5911	5922	5933	5944	5955	5966	5977	5988	5999	6010	1	2	3	4	5	6	7	8	9	
40	6021	6031	6042	6053	6064	6075	6085	6096	6107	6117	1	2	3	4	5	6	7	8	9	
41	6128	6138	6149	6160	6170	6180	6191	6201	6212	6222	1	2	3	4	5	6	7	8	9	
42	6232	6243	6253	6263	6274	6284	6294	6304	6314	6325	1	2	3	4	5	6	7	8	9	
43	6335	6345	6355	6365	6375	6385	6395	6405	6415	6425	1	2	3	4	5	6	7	8	9	
44	6435	6444	6454	6464	6474	6484	6493	6503	6513	6522	1	2	3	4	5	6	7	8	9	
45	6532	6542	6551	6561	6571	6580	6590	6599	6609	6618	1	2	3	4	5	6	7	8	9	
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47	6721	6730	6739	6747	6758	6767	6776	6785	6794	6803	1	2	3	4	5	6	7	8	9	
48	6812	6821	6830	6839	6848	6857	6866	6875	6884	6893	1	2	3	4	5	6	7	8	9	
49	6902	6911	6920	6928	6937	6945	6955	6964	6972	6981	1	2	3	4	5	6	7	8	9	
50	6990	6999	7008	7017	7025	7034	7043	7052	7060	7069	1	2	3	4	5	6	7	8	9	
51	7076	7084	7093	7101	7110	7118	7126	7135	7143	7152	2	3	4	5	6	7	8	9	10	
52	7160	7168	7177	7185	7193	7202	7210	7218	7226	7235	2	2	3	4	5	6	7	8	9	
53	7243	7251	7259	7267	7275	7284	7292	7300	7308	7316	2	2	3	4	5	6	7	8	9	
54	7324	7332	7340	7348	7356	7364	7372	7380	7388	7396	2	2	3	4	5	6	7	8	9	
55	7404	7412	7419	7427	7435	7443	7451	7459	7466	7474	2	2	3	4	5	6	7	8	9	

Want more? Advanced embedding details, examples, and help! Something went wrong. Wait a moment and try again. Antilog table is used to find the anti-logarithm of a number. Antilog is a function that is the inverse of the log function. We know that we use the log table for doing math calculations easily without using a calculator. While doing the calculations, we apply the log first for the given expression, and after simplifying we should use the antilog table to find the antilog of the result that gives the simplified result of the given expression. Let us learn more about the antilog table along with how it looks like and how to use it for positive and negative numbers. We will solve examples using the antilog table for a better understanding of its usage. What is Antilog Table? Antilog table gives the antilog of a positive or a negative number. Antilog is the inverse of the logarithmic function, i.e., if $\log x = y$ then $x = \text{antilog}(y)$. I.e., if "log" moves from one side to the other side of the equation, it becomes an antilog. So $\log x = y \Rightarrow x = \text{antilog}(y)$... (1) But by using the log formula, we can convert a logarithmic equation into an exponential equation. From this, $\log x = y \Rightarrow x = 10^y$... (2) From (1) and (2), we can say that $\text{antilog}(y) = 10^y$. This can be referred to as the antilog formula. For example: $\text{antilog}(2) = 10^2 = 100$ $\text{antilog}(-3) = 10^{-3} = 0.001$ $\text{antilog}(3.572) = 103.572 \approx ?$ We can find the last antilog only using the calculator to be $\text{antilog}(3.572) = 103.572 \approx 3732$. But how can we find this antilog without using a calculator? The solution is the antilog table. Here is the antilog table for the common logarithm. The anti-logarithm table is divided into 3 blocks. The first block is the first column (main column) has numbers from .00 to .99. The second block (differences columns) shows the digits from 0 to 9. The third block (mean differences columns) shows the digits from 1 to 9. How to Use Antilog Table? Antilog is always calculated for the logarithm of some number. We know that the logarithm of any number can be expressed as characteristic + mantissa where the characteristic can be either positive or negative whereas the mantissa should always be positive. Let us just recall how to separate the characteristic and mantissa from the logarithm of a number. Be careful while finding them in case of negative numbers (in case of negative numbers we add and subtract 1 to make mantissa positive). Log of Number Characteristic + Mantissa Characteristic Mantissa 3.5723 3 + 0.5723 3 0.5723 0.0052 0 + 0.0052 0 0.0052 -3.278 -3 - 0.278 = (-3 - 1) + (1 - 0.278) = -4 + 0.722 -4 0.722 -1.27 -1 - 0.27 = (-1 - 1) + (1 - 0.27) = -2 + 0.73 -2 0.73 How to Find Antilog? Here is the process of finding the antilog of a number using the antilog table. Let us assume that we are going to find antilog (3.5723) (which is the first example of the above table). Step - 1: Find the characteristic and mantissa. Here, characteristic = 3 and mantissa = 0.5723. Step - 2: Concentrate only on mantissa in this step. Use the first two digits after the decimal point to be the row number and the third digit to be the column number and find the corresponding number from the log table. The number that lies in row 0.57 and column 2 is 3733. Step - 3: In the same row, look for the mean difference corresponding to the 4th digit of mantissa. Add this to the value from Step - 2. Here, the 4th digit of the mantissa is 3 and the corresponding mean difference is 3. $3733+3 = 3736$ Step - 4: Put a decimal point right after the first digit (of the number from Step - 3) always. Then it becomes 3.736. Step - 5: Multiply the number from Step - 4 by 10characteristic and the result itself is the antilog of the given number. $\text{Antilog}(3.5723) = 3.736 \times 10^3 = 3736$. Antilog of a Number Without Using Anti log Table In the first section, we have seen the antilog formula to be $\text{antilog}(x) = 10^x$. But this formula can be used without a calculator only when x is an integer. If x is NOT an integer, we will have to use a calculator to compute 10^x . Let us cross-check the above antilog using this formula. $\text{Antilog}(3.5723) = 103.5723 \approx 3735$, which is very close to the earlier answer, and hence our antilog was correct. Here are more examples: $\text{Antilog of } 1 = 10^1 = 10$ $\text{Antilog of } 2 = 10^2 = 100$ $\text{Antilog of } 3 = 10^3 = 1000$ $\text{Antilog of } 4 = 10^4 = 10000$ Antilog Table in Calculations The main purpose of the log and antilog tables is to make the process of doing multiplication, division, finding exponents, and roots easier. For simplifying any expression involving product, quotient, or exponents: Apply log first. Use the following properties of logarithms to expand the log. $\log(xy) = \log x + \log y$ $\log(x/y) = \log x - \log y$ $\log x^m = m \log x$ Use the log table to find the logarithm of every number and simplify the expression to a single number. Find the antilog of the number from the previous step using the antilog table and that will be the final result of the given expression. Example: Evaluate $\sqrt{(0.00153)}$ using log and antilog table. Solution: Let $x = \sqrt{(0.00153)} = (0.00153)^{1/2}$. Apply log on both sides: $\log x = \log (0.00153)^{1/2} = 1/2 \log (0.00153)$ (Using the property of logarithms) $= (1/2) (-2.8153)$ (Using the log table) $= -1.40765$ Now, take antilog on both sides. Then $x = \text{antilog}(-1.40765)$ Here, $-1.40765 = -1 - 0.40765 = (-1 - 1) + (1 - 0.40765) = -2 + 0.59235$. Here, mantissa is 0.59235. So look for the value (in the antilog table) in the row labelled 0.59 and column 2 and add the same row's mean difference under column 3 (we are ignoring the 5th digit which is 5 here as the antilog table can be used only till 4 digits). Then we get $3908 + 3 = 3911$. Now place a decimal point right after the first digit, we get 3.911. Multiply this by 10characteristic $= 10^{-2}$. Then $x = \text{antilog}(-1.40765) = 3.911 \times 10^{-2} = 0.03911$. Therefore, $\sqrt{(0.00153)} = 0.03911$. We can cross-check the result using the calculator. Important Notes on Antilog Table: Antilog (x) is the same as 10^x and hence the antilog of any number (positive or negative) is always positive. When we find the antilog of a number, use its mantissa to see its corresponding number from log table, and use its characteristic for placing the decimal point. When we are doing any calculation using logarithms, we always have to apply antilog after simplifying the log of the expression. Make sure that mantissa is positive. ► Related Topics: Example 1: Find the antilog of the following numbers using the antilog table: (a) 0.0052 (b) -3.2778. Solution: (a) $0.0052 = 0 + 0.0052$. Its characteristic is 0 and mantissa is 0.0052. Look for the number (in the anti logarithm table) in row .00 and column 5 and add the corresponding mean difference under 2. So we get $1012+0 = 1012$. Then $\text{antilog}(0.0052) = 1.012 \times 10^0 = 1.012$. (b) $-3.2778 = -3 - 0.2778 = (-3-1) + (1 - 0.2778) = -4 + 0.7222$ Its characteristic is -4 and mantissa is 0.7222. Look for the number in row .72 and column 2 and add the corresponding mean difference of column 2. Then we get $5272 + 2 = 5274$. $\text{Antilog}(-3.2778) = 5.274 \times 10^{-4} = 0.0005274$. Answer: (a) $\text{Antilog}(0.0052) = 1.012$ (b) $\text{Antilog}(-3.2778) = 0.0005274$. Example 2: Verify the answers of Example 1 using the antilog formula and a calculator. Solution: By Antilog formula, $\text{antilog}(x) = 10^x$ (a) $\text{Antilog}(0.0052) = 100.0052 = 1.012$ (b) $\text{Antilog}(-3.2778) = 10^{-3.2778} = 0.0005274$ Both answers are very close to the answers in Example 1. Answer: The answers are verified using a calculator. Example 3: Multiply 6.723×21.572 using log and antilog tables. Solution: Let $x = 6.723 \times 21.572$. Taking log on both sides, $\log x = \log (6.723 \times 21.572)$ Using one of the properties of logarithms, $\log x = \log 6.723 + \log 21.572$ Using the log table, $\log x = 0.8276 + 1.334$ $\log x = 2.1616$ Using anti logarithms, $x = \text{antilog}(2.1616)$ Using antilog table, $x = 145.1$ Answer: So the approximate value of 6.723×21.572 is 145.1. View Answer > go to slidego to slidego to slide Great learning in high school using simple cues Indulging in rote learning, you are likely to forget concepts. With Cuemath, you will learn visually and be surprised by the outcomes. Book a Free Trial Class FAQs on Antilog Table The antilogarithm table gives the antilog of a positive or a negative number. Antilog table is used to find the anti-logarithm of a number. Antilog is a function that is the inverse of the log function. Why do We Use Anti logarithm Table? We use the anti logarithm table to calculate the antilog of a number. For example, if we have a logarithmic equation like $\log x = y$, then we can find x by using $x = \text{antilog}(y)$. What is Antilog ? We know that $\text{antilog}(x) = 10^x$. Thus, $\text{antilog}(1) = 10^1 = 10$. How to Use Antilog Table to Find Antilog of a Number? Steps to use antilog table to find the antilog of a number: Find characteristic and mantissa of the number. Use the mantissa to see the corresponding number in the antilog table. For this, use the first two digits after the decimal point of mantissa to be the row number, the third digit to be the column number, find the corresponding value and add the corresponding mean difference. Place a decimal point immediately after the first digit of the number from the antilog table. Multiply the above number by 10characteristic. How to Convert Log into Antilog? Log and antilog are two functions that are inverses of each other. So when log goes to the other side of the equation, it becomes an antilog. For example, if $\log(m) = n$ then $m = \text{antilog}(n)$. How to Calculate Antilog With a Calculator? We don't have an "antilog" button on any calculator. The antilog of a number is equal to 10 raised to the number. For example, $\text{antilog}(5) = 10^5$. So we use the formula $\text{antilog}(x) = 10^x$ to find the antilog using a calculator. How to Convert Antilog into Log? As antilog is the inverse of log, whenever $\text{antilog}(x) = y$, it means that $x = \log y$. I.e., if "y is the antilog of x" then "x is the logarithm of y". What is the Value of Antilog of 2? We know that the antilog of a number is obtained by raising 10 to that number. Hence, $\text{antilog}(2) = 10^2 = 100$. What is Common Anti Logarithm Table from 1 to 10? Since $\text{antilog}(x) = 10^x$, for any x, here is the anti logarithm table from 1 to 10. Number Antilog 1 101 2 102 3 103 4 104 5 105 6 106 7 107 8 108 9 109 10 1010 Does Antilog Exist for Negative Numbers? The logarithm of a number can be either positive or negative. Since an antilog is the inverse of log, yes, antilog exists for negative numbers as well. To conclude: Log exists only for positive numbers but it results in positive and negative numbers. Antilog exists for both positive and negative numbers but it results only in positive numbers. What is the Difference Between Log and Antilog? Log Antilog The logarithm of a number x is y (i.e., $\log(x) = y$) if $x = 10^y$. The antilog of a number x is y (i.e., $\text{antilog}(x) = y$) if $y = 10^x$. Log is the inverse function of antilog. Antilog is the inverse function of log. $\log 10x = x$ itself. $\text{antilog}(x) = 10^x$. Log can be found only for positive numbers. Antilog can be found only for either positive or negative numbers or for 0. Log of a number can be either positive or negative or 0. Antilog of a number is always positive as it is the result of exponent of 10.

Example log calculations. $\log 2^64 = 6$, since $2^6 = 2 \times 2 \times 2 \times 2 \times 2 \times 2 = 64$. That's a log with base 2, $\log_2$. $\log 3^27 = 3$, since $3^3 = 3 \times 3 \times 3 = 27$. That's a log with base 3. There are values for which the logarithm function returns negative results, e.g. $\log 2^0.125 = -3$, since $2^{-3} = 1 / 2^3 = 1/8 = 0.125$. Here are some quick rules for calculating especially simple logarithms. Sine calculator online. sin(x) calculator. This website uses cookies to improve your experience, analyze traffic and display ads. Note, the above is not a definition, merely a pithy description.. Just as subtraction is the inverse operation of addition, and taking a square root is the inverse operation of squaring, exponentiation and logarithms are inverse operations. Finding an antilog is the inverse operation of finding a log, so is another name for exponentiation. However, historically, this was done as a table lookup. Words that rhyme with dog include clog, fog, jog, block, hog, knock, log, mock, bog and flock. Find more rhyming words at wordhippo.com! 17/01/2013 · In logistic regression the coefficients derived from the model (e.g., b 1) indicate the change in the expected log odds relative to a one unit change in X 1, holding all other predictors constant. Therefore, the antilog of an estimated regression coefficient, exp(b i), produces an odds ratio, as illustrated in the example below. Free online tangent calculator. tan(x) calculator. This website uses cookies to improve your experience, analyze traffic and display ads. 05/04/2022 · Now we can see some more examples than just the log: 4 = 2 from above. For instance, we can say that the log with base 2 of 8 is 3.Similarly, log: 16 = 4 or log: 32 = 5. But what is, say, log: 5? Surely, 5 is not a power of 2. To be precise, it's not an integer power of 2.We have to remember that there are also fractional exponents, and indeed, here, we need one of those. 14/03/2018 · To create a more manageable number, chemists define the pKa value as the negative logarithm of the Ka value: pKa = -log Ka. If you already know the pKa value for an acid and you need the Ka value, you find it by taking the antilog. In practice, this means raising both sides of the equality to exponents of 10. LN Function in Excel (Table of Contents) LN in Excel; LN Formula in Excel; How to use LN Function in Excel? ... Log 5 (125) =3. The logarithm of 125 with a base number of 5 is 3. A relationship between Logarithms & Exponents. Here exponent says how many times you need to multiply the base value.

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