

**ELEMENTARY
MATHEMATICAL
TABLES**

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Elementary Mathematical Tables by Alexander Macfarlane

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ALEXANDER MACFARLANE

**ELEMENTARY
MATHEMATICAL
TABLES**

◦ ELEMENTARY

MATHEMATICAL TABLES.

BY

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PREFACE.

THESE tables are designed to be useful not only in computing and in the graphic method, but also in the teaching of arithmetic and in the illustration of the theorems of algebra.

I have arranged the several tables on a uniform decimal plan, so that the entries for a particular number are generally found in the same position on the page. The arrangement is that of double entry, so that in general the order of reading is the same as for ordinary print. The argument and entry are so expressed that it is easy to find the entry corresponding to any other position of the decimal point in the argument. In most cases the whole of a table is seen at one opening of the pages, and the tenth compartment, when not required for the main table, is filled with a short table which is in general auxiliary to the main table.

Special acknowledgments are due to Prof. Hastings of Yale University, and Prof. Halsted of this University. In the proof-reading and independent computation, I have received aid from D. W. Spence and J. C. Nagle, science students of this University.

ALEXANDER MACFARLANE.

UNIVERSITY OF TEXAS,
April, 1890.

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<i>n</i>	0	1	2	3	4	5	6	7	8	9	<i>d</i>
10	0000	0043	0086	0128	0170	0212	0253	0294	0334	0374	40
11	0414	0453	0492	0531	0569	0607	0645	0682	0719	0755	37
12	0792	0828	0864	0899	0934	0969	1004	1038	1072	1106	33
13	1139	1173	1206	1239	1271	1303	1335	1367	1399	1430	31
14	1461	1492	1523	1553	1584	1614	1644	1673	1703	1732	29
15	1761	1790	1818	1847	1875	1903	1931	1959	1987	2014	27
16	2041	2068	2095	2122	2148	2175	2201	2227	2253	2279	25
17	2304	2330	2355	2380	2405	2430	2455	2480	2504	2529	24
18	2553	2577	2601	2625	2648	2672	2695	2718	2742	2765	23
19	2788	2810	2833	2856	2878	2900	2923	2945	2967	2989	21
20	3010	3032	3054	3075	3096	3118	3139	3160	3181	3201	21
21	3222	3243	3263	3284	3304	3324	3345	3365	3385	3404	20
22	3424	3444	3464	3483	3502	3522	3541	3560	3579	3598	19
23	3617	3636	3655	3674	3692	3711	3729	3747	3766	3784	18
24	3802	3820	3838	3856	3874	3892	3909	3927	3945	3962	17
25	3979	3997	4014	4031	4048	4065	4082	4099	4116	4133	17
26	4150	4166	4183	4200	4216	4232	4249	4265	4281	4298	16
27	4314	4330	4346	4362	4378	4393	4409	4425	4440	4456	16
28	4472	4487	4502	4518	4533	4548	4564	4579	4594	4609	15
29	4624	4639	4654	4669	4683	4698	4713	4728	4742	4757	14
30	4771	4786	4800	4814	4829	4843	4857	4871	4886	4900	14
31	4914	4928	4942	4955	4969	4983	4997	5011	5024	5038	13
32	5051	5065	5079	5092	5105	5119	5132	5145	5159	5172	13
33	5185	5198	5211	5224	5237	5250	5263	5276	5289	5302	13
34	5315	5328	5340	5353	5366	5378	5391	5403	5416	5428	13
35	5441	5453	5465	5478	5490	5502	5514	5527	5539	5551	12
36	5563	5575	5587	5599	5611	5623	5635	5647	5658	5670	12
37	5682	5694	5705	5717	5729	5740	5752	5763	5775	5786	12
38	5798	5809	5821	5832	5843	5855	5866	5877	5888	5899	12
39	5911	5922	5933	5944	5955	5966	5977	5988	5999	6010	11
40	6021	6031	6042	6053	6064	6075	6085	6096	6107	6117	11
41	6128	6138	6149	6160	6170	6180	6191	6201	6212	6222	10
42	6232	6243	6253	6263	6274	6284	6294	6304	6314	6325	10
43	6335	6345	6355	6365	6375	6385	6395	6405	6415	6425	10
44	6435	6444	6454	6464	6474	6484	6493	6503	6513	6522	10
45	6532	6542	6551	6561	6571	6580	6590	6599	6609	6618	10
46	6628	6637	6646	6656	6665	6675	6684	6693	6702	6712	9
47	6721	6730	6739	6749	6758	6767	6776	6785	6794	6803	9
48	6812	6821	6830	6839	6848	6857	6866	6875	6884	6893	9
49	6902	6911	6920	6928	6937	6946	6955	6964	6972	6981	9
50	6990	6998	7007	7016	7024	7033	7042	7050	7059	7067	9
51	7076	7084	7093	7101	7110	7118	7126	7135	7143	7152	8
52	7160	7168	7177	7185	7193	7202	7210	7218	7226	7235	8
53	7243	7251	7259	7267	7275	7284	7292	7300	7308	7316	8
54	7324	7332	7340	7348	7356	7364	7372	7380	7388	7396	8
55	7404	7412	7419	7427	7435	7443	7451	7459	7466	7474	8
56	7482	7490	7497	7505	7513	7520	7528	7536	7543	7551	8
57	7559	7566	7574	7582	7589	7597	7604	7612	7619	7627	7
58	7634	7642	7649	7657	7664	7672	7679	7686	7694	7701	8
59	7709	7716	7723	7731	7738	7745	7752	7760	7767	7774	8

n	0	1	2	3	4	5	6	7	8	9	d									
60	7782	7789	7796	7803	7810	7818	7825	7832	7839	7846	7									
61	7853	7860	7868	7875	7882	7889	7896	7903	7910	7917	7									
62	7924	7931	7938	7945	7952	7959	7966	7973	7980	7987	6									
63	7993	8000	8007	8014	8021	8028	8035	8041	8048	8055	7									
64	8062	8069	8075	8082	8089	8096	8102	8109	8116	8122	7									
65	8129	8136	8142	8149	8156	8162	8169	8176	8182	8189	6									
66	8195	8202	8209	8215	8222	8228	8235	8241	8248	8254	7									
67	8261	8267	8274	8280	8287	8293	8299	8306	8312	8319	6									
68	8325	8331	8338	8344	8351	8357	8363	8370	8376	8382	6									
69	8388	8395	8401	8407	8414	8420	8426	8432	8439	8445	6									
70	8451	8457	8463	8470	8476	8482	8488	8494	8500	8506	7									
71	8513	8519	8525	8531	8537	8543	8549	8555	8561	8567	6									
72	8573	8579	8585	8591	8597	8603	8609	8615	8621	8627	6									
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77	8865	8871	8876	8882	8887	8893	8899	8904	8910	8915	6									
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79	8976	8982	8987	8993	8998	9004	9009	9015	9020	9025	6									
80	9031	9036	9042	9047	9053	9058	9063	9069	9074	9079	6									
81	9085	9090	9096	9101	9106	9112	9117	9122	9128	9133	5									
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90	9542	9547	9552	9557	9562	9566	9571	9576	9581	9586	4									
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92	9638	9643	9647	9652	9657	9661	9666	9671	9675	9680	5									
93	9685	9689	9694	9699	9703	9708	9713	9717	9722	9727	4									
94	9731	9736	9741	9745	9750	9754	9759	9763	9768	9773	4									
95	9777	9782	9786	9791	9795	9800	9805	9809	9814	9818	5									
96	9823	9827	9832	9836	9841	9845	9850	9854	9859	9863	5									
97	9868	9872	9877	9881	9886	9890	9894	9899	9903	9908	4									
98	9912	9917	9921	9926	9930	9934	9939	9943	9948	9952	4									
99	9956	9961	9965	9969	9974	9978	9983	9987	9991	9996	4									
pp.	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
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2	1	1	1	1	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	5
3	1	2	2	2	3	3	3	4	4	4	4	5	5	5	5	6	6	6	7	7
4	2	2	2	3	3	4	4	4	5	5	6	6	6	7	7	8	8	8	9	9
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8	3	4	5	6	6	7	8	8	9	10	10	11	12	13	14	14	15	16	17	18
9	4	5	5	6	7	8	9	10	11	12	13	14	14	15	16	17	18	19	20	21