Soroban Technology Lab

School / Senior Multiplication (3 min)

No.		Name	
Date		Score	

(Note) 1–15: Round to 3 decimal places
16–30: Round to the nearest yen

		○ ×
1	328,491 × 50,768 =	
2	693,405 × 84,693 =	
3	215,046 × 420.52 =	
4	485,063 × 61,597 =	
5	94.28719 × 138.9 =	
6	113,794 × 94,036 =	
7	0.081792 × 7.8125 =	
8	527,638 × 0.23184 =	
9	830,562 × 37,540 =	
10	0.70567 × 0.076921 =	
11	802,491 × 92,050 =	
12	148,622 × 63.491 =	
13	0.46875 × 57.8304 =	
14	30.0796 × 23.863 =	
15	0.043153 × 0.11476 =	
16	¥ 713,697 × 0.06092 =	
17	¥ 685,109 × 82,517 =	
18	¥ 2,352,168 × 0.3819 =	
19	¥ 547,984 × 76,945 =	
20	¥ 923,750 × 45.728 =	
21	¥ 529,816 × 83,293 =	
22	¥ 397,827 × 0.68359 =	
23	¥ 658,901 × 38,412 =	
24	¥ 317,469 × 42,196 =	
25	¥ 807,163 × 15,697 =	
26	¥ 74,208 × 9.84375 =	
27	¥ 243,750 × 0.20768 =	
28	¥ 133,052 × 0.05704 =	
29	¥ 462,894 × 74,610 =	
30	¥ 9,165,405 × 52.41 =	

Soroban Technology Lab

School / Senior Division (3 min)

No.		Name	
Date		Score	

(Note) 1–15: Round to 3 decimal places
16–30: Round to the nearest yen

		○ ×
1	491,996,430 ÷ 1,038 =	
2	132,479.8431 ÷ 2,168.7 =	
3	2,504,564,576 ÷ 34,592 =	
4	7,321,940,460 ÷ 75,245 =	
5	409,157.2178 ÷ 6,450.9 =	
6	1,165,794,120 ÷ 59,720 =	
7	4,682,686,912 ÷ 928,736 =	
8	155,985,471 ÷ 4,361.4 =	
9	1,936,601.417 ÷ 88,173 =	
10	55.7731919 ÷ 0.06901 =	
11	840,050,886 ÷ 25,789 =	
12	131,606,064 ÷ 6,687.3 =	
13	2,488,348.98 ÷ 3,408 =	
14	6,293.07633 ÷ 123.46 =	
15	157.606368 ÷ 0.03651 =	
16	¥ 3,243,311,967 ÷ 52,017 =	
17	¥ 3,528,360 ÷ 44.952 =	
18	¥ 674,758,752 ÷ 81,729.5 =	
19	¥ 8,593,866,050 ÷ 93,610 =	
20	¥ 17,084 ÷ 0.70984 =	
21	¥ 1,176,149,288 ÷ 9,332 =	
22	¥ 3,132,432,762 ÷ 64,054 =	
23	¥ 1,124,076 ÷ 41.375 =	
24	¥ 11,124 ÷ 0.16726 =	
25	¥ 3,977 ÷ 0.05089 =	
26	¥ 27,978,290 ÷ 3,024.68 =	
27	¥ 732,735,552 ÷ 21,891 =	
28	¥ 4,436,959,413 ÷ 74,183 =	
29	¥ 47,239 ÷ 0.52796 =	
30	¥ 4,470,256,652 ÷ 85,907 =	

Soroban Technology Lab

School / Senior Sums (3 min)

No.		Name	
Date		Score	

No.	1	2	3	4	5
1	¥ 4,587,382,091	¥ 5,418,786,903	¥ 5,761,830,449	¥ 9,624,758,013	¥ 1,815,740,236
2	2,906,453,618	3,903,162,478	3,048,961,752	5,793,100,246	5,237,108,964
3	3,717,580,942	5,230,691,784	7,609,128,934	9,631,277,584	1,960,385,247
4	9,250,815,473	−2,846,059,537	2,843,406,795	−8,125,308,946	3,625,918,470
5	7,462,931,580	−6,738,201,429	5,720,348,162	−6,251,489,305	2,809,153,697
6	2,849,165,607	9,540,167,582	1,482,563,970	4,870,231,639	7,068,205,349
7	5,623,401,779	−1,289,615,370	6,190,255,837	1,548,023,967	2,784,496,015
8	9,146,328,502	−3,451,970,862	1,915,782,603	−7,017,635,492	9,426,534,708
9	6,331,079,824	4,625,837,091	4,526,079,321	−3,482,896,750	4,392,671,853
10	8,025,647,163	7,064,513,249	9,354,697,018	2,906,514,178	6,143,027,581
Sum					

No.	6	7	8	9	10
1	¥ 2,348,507,915	¥ 4,310,165,298	¥ 2,856,913,074	¥ 8,863,901,274	¥ 3,037,654,189
2	1,076,348,291	8,237,648,509	7,538,241,906	3,172,086,449	6,945,180,237
3	4,187,682,503	−3,155,896,074	9,052,835,647	4,210,963,787	3,729,468,102
4	5,610,291,374	−8,413,620,795	5,318,446,920	2,384,049,675	−7,480,625,519
5	6,504,785,219	6,584,971,082	8,164,095,217	7,520,691,342	−5,578,906,421
6	7,036,498,352	7,026,452,931	1,680,827,593	8,691,537,401	2,804,317,935
7	5,914,839,076	5,381,209,467	6,403,579,128	9,553,168,027	1,656,972,084
8	8,293,015,647	1,897,341,620	8,724,360,491	5,038,426,710	−4,393,721,650
9	3,769,824,160	−2,709,534,176	3,275,104,769	1,625,794,835	−8,152,809,746
10	9,452,260,738	−9,642,087,353	4,901,672,385	6,409,812,593	6,241,093,873
Sum					

No.	11	12	13	14	15
1	¥ 9,286,571,463	¥ 8,514,617,309	¥ 9,584,361,247	¥ 8,276,934,514	¥ 8,019,534,227
2	8,305,217,940	9,301,752,468	5,649,023,170	6,425,013,687	4,973,281,650
3	1,860,924,375	7,682,190,534	8,037,296,815	7,073,264,958	8,246,095,271
4	2,941,768,053	5,434,629,107	1,853,734,629	9,560,183,872	−7,913,846,509
5	9,652,480,371	−9,325,876,840	4,387,220,956	1,852,307,946	−6,638,024,715
6	4,283,307,915	−1,487,063,219	1,045,897,162	5,114,026,783	2,584,970,136
7	6,038,219,754	4,113,798,056	3,964,105,748	2,396,845,109	−9,760,138,452
8	1,957,430,826	3,048,975,622	7,108,659,203	7,941,582,430	−5,371,462,093
9	5,491,683,207	−6,859,203,271	6,790,982,531	5,783,690,021	1,852,307,946
10	7,128,046,539	−5,960,432,784	2,476,518,394	4,609,718,295	3,105,769,884
Sum					

Soroban Technology Lab

School / Senior Mental Multiplication (1 min)

No.		Name	
Date		Score	

		○ ×
1	241 × 978 =	
2	305 × 546 =	
3	663 × 201 =	
4	789 × 130 =	
5	82 × 3,267 =	
6	716 × 712 =	
7	420 × 853 =	
8	1,504 × 69 =	
9	998 × 804 =	
10	537 × 495 =	
11	377 × 608 =	
12	8,055 × 94 =	
13	924 × 227 =	
14	732 × 199 =	
15	41 × 3,532 =	
16	199 × 540 =	
17	848 × 483 =	
18	610 × 705 =	
19	503 × 176 =	
20	266 × 861 =	
21	8,302 × 15 =	
22	461 × 738 =	
23	773 × 397 =	
24	18 × 6,253 =	
25	215 × 470 =	
26	584 × 546 =	
27	690 × 689 =	
28	459 × 902 =	
29	927 × 804 =	
30	306 × 211 =	

Soroban Technology Lab

School / Senior Mental Division (1 min)

No.		Name	
Date		Score	

		○ ×
1	341,850 ÷ 645 =	
2	444,768 ÷ 904 =	
3	543,632 ÷ 557 =	
4	94,917 ÷ 1,091 =	
5	55,878 ÷ 278 =	
6	669,930 ÷ 822 =	
7	20,864 ÷ 163 =	
8	587,340 ÷ 780 =	
9	304,014 ÷ 46 =	
10	116,616 ÷ 339 =	
11	270,765 ÷ 55 =	
12	476,340 ÷ 934 =	
13	100,252 ÷ 142 =	
14	620,730 ÷ 726 =	
15	244,620 ÷ 810 =	
16	271,794 ÷ 291 =	
17	263,547 ÷ 387 =	
18	69,003 ÷ 4,059 =	
19	391,347 ÷ 603 =	
20	213,504 ÷ 768 =	
21	692,714 ÷ 814 =	
22	903,190 ÷ 905 =	
23	34,026 ÷ 321 =	
24	287,512 ÷ 433 =	
25	194,948 ÷ 52 =	
26	164,512 ÷ 776 =	
27	85,063 ÷ 209 =	
28	135,780 ÷ 1,860 =	
29	225,130 ÷ 958 =	
30	375,260 ÷ 647 =	

Soroban Technology Lab

School / Senior Mental Sums (1 min 20 s)

No.		Name	
Date		Score	

No.	1	2	3	4	5
1	774,968	837,509	267,091	233,849	485,031
2	903,215	125,296	813,540	465,917	639,762
3	218,504	398,071	647,238	186,735	−910,587
4	964,382	546,306	−952,453	745,320	−127,394
5	510,636	897,144	−698,107	692,108	806,245
6	137,278	253,712	963,879	519,481	198,670
7	446,059	609,825	405,221	623,073	−572,403
8	521,387	961,087	−780,685	874,962	−243,159
9	695,701	412,363	−531,064	351,690	364,828
10	382,490	784,950	394,712	708,254	750,916
Sum					

No.	6	7	8	9	10
1	842,950	870,341	974,360	652,478	779,432
2	537,618	−569,902	287,481	543,019	610,075
3	753,409	−284,756	100,693	−991,308	586,193
4	178,023	317,614	432,158	−877,612	924,502
5	425,619	829,305	596,479	543,506	147,384
6	598,192	568,939	220,817	320,267	359,620
7	104,376	451,270	319,546	188,794	568,711
8	260,745	736,128	845,702	−366,145	403,809
9	689,537	−143,490	683,034	−709,821	731,226
10	310,284	−602,587	761,925	234,950	865,947
Sum					

No.	11	12	13	14	15
1	908,513	138,561	403,160	548,269	405,184
2	579,864	240,378	−539,728	101,843	627,903
3	641,372	577,426	−718,956	875,926	785,211
4	589,013	964,051	483,227	381,074	−328,769
5	407,629	210,389	645,590	532,609	−490,356
6	192,845	359,717	210,617	946,187	164,742
7	637,304	862,804	338,904	398,520	958,003
8	265,190	301,965	196,645	457,032	−231,698
9	856,977	723,140	−927,481	610,315	−542,937
10	320,481	685,492	−852,073	724,698	816,570
Sum					

Answers School / Senior

Multiplication

1	16,676,831,088	11	73,869,296,550	21	¥44,129,964,088
2	58,726,549,665	12	9,436,159.402	22	¥271,951
3	90,431,143.92	13	27.108	23	¥25,309,705,212
4	29,878,425,611	14	717.789	24	¥13,395,921,924
5	13,096.491	15	0.005	25	¥12,670,037,611
6	10,700,732,584	16	¥43,478	26	¥730,485
7	0.639	17	¥56,533,139,353	27	¥50,622
8	122,327.594	18	¥898,293	28	¥7,589
9	31,179,297,480	19	¥42,164,628,880	29	¥34,536,521,340
10	0.054	20	¥42,241,240	30	¥480,358,876

Division

1	473,985	7	5,042	13	730.149	19	¥91,805	25	¥78,149
2	61.087	8	35,765	14	50.973	20	¥24,067	26	¥9,250
3	72,403	9	21.964	15	4,316.8	21	¥126,034	27	¥33,472
4	97,308	10	808.19	16	¥62,351	22	¥48,903	28	¥59,811
5	63.426	11	32,574	17	¥78,492	23	¥27,168	29	¥89,475
6	19,521	12	19,680	18	¥8,256	24	¥66,507	30	¥52,036

Sums

1	¥59,900,786,579	6	¥54,194,053,275	11	¥56,945,650,443
2	¥21,457,311,889	7	¥9,516,650,509	12	¥14,463,386,982
3	¥48,453,054,841	8	¥57,916,077,130	13	¥50,897,799,855
4	¥9,496,575,134	9	¥57,470,432,093	14	¥59,033,567,615
5	¥45,263,242,120	10	−¥1,191,376,916	15	−¥901,512,655

Mental Multiplication

1	235,698	7	358,260	13	209,748	19	88,528	25	101,050
2	166,530	8	103,776	14	145,668	20	229,026	26	318,864
3	133,263	9	802,392	15	144,812	21	124,530	27	475,410
4	102,570	10	265,815	16	107,460	22	340,218	28	414,018
5	267,894	11	229,216	17	409,584	23	306,881	29	745,308
6	509,792	12	757,170	18	430,050	24	112,554	30	64,566

Mental Division

1	530	7	128	13	706	19	649	25	3,749
2	492	8	753	14	855	20	278	26	212
3	976	9	6,609	15	302	21	851	27	407
4	87	10	344	16	934	22	998	28	73
5	201	11	4,923	17	681	23	106	29	235
6	815	12	510	18	17	24	664	30	580

Mental Sums

1	5,554,620	6	4,700,753	11	5,399,188
2	5,826,263	7	2,172,862	12	5,063,923
3	529,372	8	5,222,195	13	−760,095
4	5,401,389	9	−461,872	14	5,576,473
5	1,391,909	10	5,976,899	15	2,163,853