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	918,064 × 82,472 =	
2	0.61230 × 0.03669 =	
3	7,349.83 × 18.741 =	
4	0.067248 × 7,062.5 =	
5	14,357 × 639,206 =	
6	579,083 × 97,584 =	
7	821,905 × 31.548 =	
8	2,761,952 × 0.4193 =	
9	357,626 × 20,930 =	
10	404,859 × 58,157 =	
11	298,913 × 97,060 =	
12	0.68325 × 7,185.6 =	
13	35,469 × 4,892.07 =	
14	740.396 × 8,754.3 =	
15	0.042732 × 0.25329 =	
16	¥ 806,841 × 14,061 =	
17	¥ 927,604 × 0.07935 =	
18	¥ 1,256,097 × 634.2 =	
19	¥ 535,718 × 58,918 =	
20	¥ 418,750 × 0.31264 =	
21	¥ 258,432 × 46,834 =	
22	¥ 401,386 × 0.01413 =	
23	¥ 716,869 × 29,877 =	
24	¥ 856,904 × 106.55 =	
25	¥ 509,183 × 90,129 =	
26	¥ 31,250 × 0.704896 =	
27	¥ 143,725 × 543.92 =	
28	¥ 974,608 × 87,568 =	
29	¥ 640,277 × 33,521 =	
30	¥ 9,923,751 × 0.6072 =	

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	4,123,478,150 ÷ 99,830 =	
2	482.02326 ÷ 6.6521 =	
3	1,957.02258 ÷ 517.343 =	
4	194,667,549 ÷ 3,829.4 =	
5	4,981,389,642 ÷ 71,922 =	
6	1,394,203,872 ÷ 47,409 =	
7	1,338,428,950 ÷ 2,075 =	
8	14.0691528 ÷ 0.01567 =	
9	983,305,942 ÷ 85,438 =	
10	1,018,333.7 ÷ 10,866 =	
11	5,304,131,939 ÷ 96,581 =	
12	177.7824431 ÷ 0.64877 =	
13	47,684.67426 ÷ 49.506 =	
14	146,591.4285 ÷ 7,912.8 =	
15	1,749,214.177 ÷ 56,472 =	
16	¥ 144,089,482 ÷ 230.4 =	
17	¥ 2,455 ÷ 0.03125 =	
18	¥ 1,214,550,531 ÷ 13,473 =	
19	¥ 28,830,174 ÷ 3,289.59 =	
20	¥ 3,231,409,920 ÷ 80,160 =	
21	¥ 3,352,757,982 ÷ 91,658 =	
22	¥ 3,330 ÷ 0.70325 =	
23	¥ 4,798,320,672 ÷ 82,704 =	
24	¥ 65,964 ÷ 1.0487 =	
25	¥ 53,345 ÷ 0.56389 =	
26	¥ 5,305 ÷ 0.06052 =	
27	¥ 778,905,855 ÷ 38,493 =	
28	¥ 923,615,674 ÷ 6,971 =	
29	¥ 17,116,562 ÷ 239.56 =	
30	¥ 3,706,941,762 ÷ 41,274 =	

Soroban Technology Lab

School / Senior Sums (3 min)

No.		Name	
Date		Score	

No.	1	2	3	4	5
1	¥ 2,705,346,815	¥ 2,355,410,876	¥ 8,659,427,130	¥ 1,743,895,802	¥ 8,342,508,671
2	7,153,810,294	5,462,307,789	−6,274,309,958	6,199,502,743	5,431,897,230
3	6,489,539,702	2,748,968,103	−1,952,884,063	1,562,097,314	3,718,061,925
4	4,620,876,315	1,029,835,614	3,689,472,135	3,841,905,286	5,680,734,012
5	7,049,184,263	3,456,082,977	5,820,947,319	5,625,874,130	−4,905,178,426
6	9,218,907,536	9,163,720,254	1,597,603,420	7,256,963,041	−6,671,854,239
7	5,961,682,740	8,214,356,091	4,182,350,746	4,073,219,756	7,395,249,801
8	3,837,450,129	3,697,524,880	−7,036,128,654	2,830,158,469	−2,067,915,349
9	1,374,028,958	4,870,199,265	−2,341,096,577	9,317,430,628	−7,184,602,953
10	8,592,463,071	7,901,643,538	9,405,761,281	8,408,623,975	9,526,360,784
Sum					

No.	6	7	8	9	10
1	¥ 3,098,651,240	¥ 7,361,582,940	¥ 3,751,269,047	¥ 1,826,997,045	¥ 3,824,156,970
2	6,875,230,411	3,420,879,261	1,543,870,326	2,547,164,308	7,059,463,182
3	3,654,801,797	−8,541,263,907	6,910,723,865	6,130,845,472	8,961,042,735
4	9,488,617,523	−5,283,541,096	3,629,578,418	4,983,791,620	−5,493,710,926
5	2,019,753,764	2,019,634,877	8,275,495,061	5,236,480,713	−4,738,905,762
6	1,940,386,972	6,157,348,029	5,706,218,639	2,168,973,534	6,219,439,857
7	4,502,927,386	4,702,915,338	7,053,982,104	7,201,308,459	1,674,251,380
8	8,327,149,605	6,815,290,473	4,392,601,895	3,412,759,896	−9,425,080,613
9	5,163,492,038	−8,926,407,515	9,864,147,532	9,065,230,187	−7,850,361,428
10	7,236,084,159	−9,635,016,784	2,418,354,970	8,754,025,961	9,342,678,501
Sum					

No.	11	12	13	14	15
1	¥ 9,713,686,502	¥ 3,005,978,461	¥ 4,618,235,079	¥ 9,415,368,702	¥ 3,591,240,768
2	6,308,532,917	7,194,359,608	9,230,856,414	7,051,289,864	5,917,437,802
3	7,490,853,161	−6,950,834,782	3,758,960,942	−4,812,796,510	3,780,541,629
4	2,389,070,456	−5,423,078,916	7,523,498,601	−3,257,369,801	1,568,237,495
5	4,695,107,882	3,281,490,677	9,175,362,740	8,624,501,794	9,237,905,186
6	2,543,396,170	9,525,647,301	8,231,614,507	9,306,724,385	8,962,179,034
7	4,259,731,208	2,718,563,440	5,870,142,638	1,972,040,638	2,348,651,703
8	8,602,514,497	4,576,281,193	2,986,417,053	4,185,936,027	7,654,063,812
9	5,936,721,684	−8,659,102,234	5,897,206,381	−5,739,813,246	5,023,816,970
10	1,067,458,349	−9,832,716,025	1,049,579,263	−6,540,172,953	4,106,398,524
Sum					

Soroban Technology Lab

School / Senior Mental Multiplication (1 min)

No.		Name	
Date		Score	

		○ ×
1	956 × 552 =	
2	708 × 701 =	
3	563 × 248 =	
4	819 × 475 =	
5	281 × 893 =	
6	475 × 107 =	
7	67 × 9,316 =	
8	402 × 380 =	
9	324 × 269 =	
10	1,930 × 64 =	
11	903 × 337 =	
12	688 × 850 =	
13	507 × 708 =	
14	830 × 206 =	
15	391 × 413 =	
16	175 × 565 =	
17	4,524 × 99 =	
18	646 × 194 =	
19	719 × 671 =	
20	22 × 8,242 =	
21	693 × 478 =	
22	106 × 139 =	
23	384 × 341 =	
24	712 × 125 =	
25	350 × 953 =	
26	49 × 8,962 =	
27	275 × 507 =	
28	907 × 604 =	
29	821 × 280 =	
30	5,648 × 76 =	

Soroban Technology Lab

School / Senior Mental Division (1 min)

No.		Name	
Date		Score	

		○ ×
1	153,254 ÷ 703 =	
2	245,499 ÷ 4,307 =	
3	569,988 ÷ 669 =	
4	136,456 ÷ 296 =	
5	535,920 ÷ 580 =	
6	39,963 ÷ 21 =	
7	109,620 ÷ 174 =	
8	122,535 ÷ 315 =	
9	399,950 ÷ 842 =	
10	676,348 ÷ 958 =	
11	218,634 ÷ 8,409 =	
12	338,650 ÷ 650 =	
13	281,247 ÷ 723 =	
14	173,760 ÷ 192 =	
15	85,690 ÷ 205 =	
16	125,178 ÷ 186 =	
17	128,856 ÷ 364 =	
18	346,020 ÷ 438 =	
19	834,879 ÷ 97 =	
20	81,082 ÷ 571 =	
21	69,667 ÷ 299 =	
22	298,080 ÷ 6,624 =	
23	481,584 ÷ 508 =	
24	673,672 ÷ 787 =	
25	20,352 ÷ 106 =	
26	553,868 ÷ 917 =	
27	274,287 ÷ 541 =	
28	293,574 ÷ 433 =	
29	211,702 ÷ 302 =	
30	265,965 ÷ 85 =	

Soroban Technology Lab

School / Senior Mental Sums (1 min 20 s)

No.		Name	
Date		Score	

No.	1	2	3	4	5
1	424,801	833,071	248,606	891,520	401,875
2	795,363	525,640	159,397	734,389	639,207
3	102,986	966,823	780,571	602,475	895,346
4	541,705	871,049	−934,402	541,816	−320,168
5	269,388	137,524	−253,168	873,729	−714,925
6	521,740	742,258	564,233	200,986	961,240
7	635,479	305,916	871,019	165,493	758,093
8	186,032	494,368	406,578	482,001	176,584
9	870,594	310,702	−612,920	357,652	−582,039
10	913,627	659,187	−395,784	918,734	−347,612
Sum					

No.	6	7	8	9	10
1	428,123	346,750	923,088	219,806	694,316
2	507,961	982,108	651,174	545,173	528,090
3	742,659	−231,645	732,699	763,208	834,732
4	280,935	−769,403	470,534	−901,754	659,018
5	763,418	155,287	126,850	−863,249	721,674
6	905,356	972,819	700,395	390,566	180,453
7	176,842	469,030	848,261	184,427	463,925
8	238,078	−638,627	519,426	571,839	957,207
9	654,194	−814,571	365,707	−437,082	216,689
10	319,270	520,394	284,913	−652,910	305,841
Sum					

No.	11	12	13	14	15
1	215,098	780,962	929,107	715,833	176,479
2	328,764	136,445	368,465	304,629	283,503
3	560,031	707,269	730,574	747,216	548,910
4	698,473	541,381	−481,162	508,495	−162,068
5	741,259	893,690	−539,290	629,281	−497,532
6	396,547	282,706	287,358	136,394	280,056
7	802,710	453,139	110,642	898,750	334,791
8	434,926	125,827	−746,883	261,405	617,245
9	653,185	674,504	−605,939	673,178	−909,384
10	179,802	968,013	574,021	450,932	−851,627
Sum					

Answers School / Senior

Multiplication

1	75,714,574,208	11	29,012,495,780	21	¥12,103,404,288
2	0.022	12	4,908.663	22	¥5,672
3	137,743.164	13	173,516,830.83	23	¥21,417,895,113
4	474.939	14	6,481,648.703	24	¥91,303,121
5	9,177,080,542	15	0.011	25	¥45,892,154,607
6	56,509,235,472	16	¥11,344,991,301	26	¥22,028
7	25,929,458.94	17	¥73,605	27	¥78,174,902
8	1,158,086.474	18	¥796,616,717	28	¥85,344,473,344
9	7,485,112,180	19	¥31,563,433,124	29	¥21,462,725,317
10	23,545,384,863	20	¥130,918	30	¥6,025,702

Division

1	41,305	7	645,026	13	963.21	19	¥8,764	25	¥94,602
2	72.462	8	897.84	14	18.526	20	¥40,312	26	¥87,657
3	3.783	9	11,509	15	30.975	21	¥36,579	27	¥20,235
4	50,835	10	93.717	16	¥625,388	22	¥4,736	28	¥132,494
5	69,261	11	54,919	17	¥78,560	23	¥58,018	29	¥71,450
6	29,408	12	274.03	18	¥90,147	24	¥62,901	30	¥89,813

Sums

1	¥57,003,289,823	6	¥52,307,094,895	11	¥53,007,072,826
2	¥48,900,049,387	7	−¥1,908,578,384	12	−¥563,411,277
3	¥15,751,142,779	8	¥53,546,241,857	13	¥58,341,873,618
4	¥50,859,671,144	9	¥51,327,577,195	14	¥20,205,708,900
5	¥19,265,261,456	10	¥9,572,973,896	15	¥52,190,472,923

Mental Multiplication

1	527,712	7	624,172	13	358,956	19	482,449	25	333,550
2	496,308	8	152,760	14	170,980	20	181,324	26	439,138
3	139,624	9	87,156	15	161,483	21	331,254	27	139,425
4	389,025	10	123,520	16	98,875	22	14,734	28	547,828
5	250,933	11	304,311	17	447,876	23	130,944	29	229,880
6	50,825	12	584,800	18	125,324	24	89,000	30	429,248

Mental Division

1	218	7	630	13	389	19	8,607	25	192
2	57	8	389	14	905	20	142	26	604
3	852	9	475	15	418	21	233	27	507
4	461	10	706	16	673	22	45	28	678
5	924	11	26	17	354	23	948	29	701
6	1,903	12	521	18	790	24	856	30	3,129

Mental Sums

1	5,261,715	6	5,016,836	11	5,010,795
2	5,846,538	7	992,142	12	5,563,936
3	834,130	8	5,623,047	13	626,893
4	5,768,795	9	−179,976	14	5,326,113
5	1,867,601	10	5,561,945	15	−179,627