Soroban Technology Lab

Dan Multiplication (10 min)

No.		Name	
Date		Score	

(Note) 1–30: Round to 3 decimal places
31–60: Round to the nearest yen

1	0.04175 × 854.103 =
2	164,932 × 32,987 =
3	451,267 × 512.36 =
4	0.6801354 × 0.4091 =
5	9,570.83 × 6.072 =
6	327,609 × 79,864 =
7	729,841 × 98,450 =
8	238,495 × 0.07549 =
9	893,016 × 26,375 =
10	560,728 × 13,628 =
11	782,451 × 81,039 =
12	354,719 × 56,490 =
13	691,375 × 3.4876 =
14	1,097,536 × 0.0921 =
15	4,182.07 × 7,914.2 =
16	0.26048 × 0.283715 =
17	853,964 × 10,268 =
18	0.037182 × 4,765.3 =
19	520,896 × 62,507 =
20	940,623 × 95,384 =
21	210,589 × 7.6981 =
22	670,423 × 93,058 =
23	106,952 × 0.01872 =
24	0.485296 × 0.59463 =
25	754,613 × 18,596 =
26	382,174 × 24,307 =
27	967,038 × 37,624 =
28	5,239.741 × 42.19 =
29	841,307 × 65,740 =
30	0.09865 × 80,213.5 =

Dan Multiplication (10 min)

31	¥ 516,798 × 0.15982 =
32	¥ 238,609 × 83,026 =
33	¥ 7,549,086 × 516.9 =
34	¥ 30,824 × 728,514 =
35	¥ 418,375 × 0.43098 =
36	¥ 872,053 × 96,401 =
37	¥ 932,147 × 2.0873 =
38	¥ 602,931 × 69,437 =
39	¥ 195,462 × 32,657 =
40	¥ 746,510 × 0.07145 =
41	¥ 437,562 × 89,452 =
42	¥ 9,263,705 × 9,041 =
43	¥ 820,359 × 4,713.8 =
44	¥ 714,286 × 51,206 =
45	¥ 260,174 × 15,027 =
46	¥ 350,897 × 34,789 =
47	¥ 548,913 × 0.06973 =
48	¥ 197,420 × 70.268 =
49	¥ 591,648 × 0.63594 =
50	¥ 68,031 × 0.238615 =
51	¥ 481,762 × 12,709 =
52	¥ 6,432,985 × 0.2835 =
53	¥ 546,290 × 0.04526 =
54	¥ 80,516 × 390,271 =
55	¥ 270,438 × 738.56 =
56	¥ 792,304 × 59,067 =
57	¥ 137,659 × 0.47183 =
58	¥ 950,173 × 86,014 =
59	¥ 891,047 × 654.98 =
60	¥ 356,821 × 93,142 =

Soroban Technology Lab

Dan Division (10 min)

No.		Name	
Date		Score	

(Note) 1–30: Round to 3 decimal places
31–60: Round to the nearest yen

1	2,190,333.975 ÷ 57,268 =
2	3,233,781,315 ÷ 45,879 =
3	67,530.75028 ÷ 6,923.14 =
4	1,747,207,296 ÷ 73,056 =
5	20,967 ÷ 240.83 =
6	2,335,990,412 ÷ 38,591 =
7	421.27806 ÷ 0.01942 =
8	15,674.09721 ÷ 961.07 =
9	892,170,500 ÷ 1,625 =
10	3,827,931,940 ÷ 84,730 =
11	5,828,926,950 ÷ 78,925 =
12	983,181,902 ÷ 35,842 =
13	8,827,255,746 ÷ 96,318 =
14	2,893,453.959 ÷ 54,690 =
15	0.83567925 ÷ 0.02457 =
16	458,185.7179 ÷ 6,708.9 =
17	4,871,745,494 ÷ 8,173 =
18	337,461,516 ÷ 190,764 =
19	332,044.6428 ÷ 41.236 =
20	949 ÷ 23.501 =
21	5,522,610,108 ÷ 84,739 =
22	1,759,161.682 ÷ 201,984 =
23	21.5671976 ÷ 0.03562 =
24	1,662,044,068 ÷ 97,618 =
25	390,421 ÷ 4,215.6 =
26	1,847,761,824 ÷ 65,841 =
27	2,668,309,371 ÷ 5,403 =
28	5,666,541,480 ÷ 79,320 =
29	191.8275127 ÷ 3.8075 =
30	55,890.2176 ÷ 1,629.7 =

Dan Division (10 min)

31	¥ 1,740,755,173 ÷ 28,069 =
32	¥ 12,044 ÷ 0.41906 =
33	¥ 4,328,391,609 ÷ 75,813 =
34	¥ 1,465,035 ÷ 16.392 =
35	¥ 149,457,241 ÷ 32,478.5 =
36	¥ 8,997 ÷ 0.09457 =
37	¥ 44,771,518 ÷ 602.74 =
38	¥ 2,652,853,034 ÷ 83,021 =
39	¥ 547,891,344 ÷ 5,148 =
40	¥ 3,502,069,815 ÷ 97,635 =
41	¥ 55,053 ÷ 0.84375 =
42	¥ 300,789 ÷ 9.8531 =
43	¥ 335,595,401 ÷ 704.9 =
44	¥ 389,363,964 ÷ 268,157 =
45	¥ 1,351,025 ÷ 13.692 =
46	¥ 4,260 ÷ 0.07924 =
47	¥ 2,098,731,624 ÷ 51,069 =
48	¥ 4,997,762,115 ÷ 60,283 =
49	¥ 997,988,472 ÷ 45,708 =
50	¥ 2,570,912,960 ÷ 32,416 =
51	¥ 35,418 ÷ 0.52468 =
52	¥ 301,115,727 ÷ 2,043 =
53	¥ 106 ÷ 0.051897 =
54	¥ 3,721,567,664 ÷ 73,012 =
55	¥ 7,194,303,331 ÷ 97,681 =
56	¥ 8,554,457 ÷ 462.51 =
57	¥ 6,632,899,800 ÷ 68,504 =
58	¥ 1,620,917,680 ÷ 19,736 =
59	¥ 3,136,152 ÷ 80.379 =
60	¥ 15,809,849 ÷ 349.25 =

Soroban Technology Lab

Dan Sums (10 min)

No.		Name	
Date		Score	

No.	1	2	3	4
1	¥ 6,912,438,074	¥ 2,854,076,319	¥ 9,243,581,067	¥ 1,893,540,267
2	2,479,105,368	6,087,145,293	6,985,740,132	5,231,678,490
3	5,380,261,947	2,150,498,367	5,624,981,703	2,895,716,304
4	6,841,029,735	4,567,912,830	−2,083,745,961	7,234,509,618
5	7,326,185,409	3,689,147,025	−8,610,234,579	3,628,170,594
6	8,439,607,215	9,146,370,852	9,106,427,883	1,507,986,432
7	1,726,938,540	8,713,202,594	−3,241,895,607	8,461,702,359
8	8,107,453,629	3,091,784,652	−2,498,573,016	5,916,824,073
9	4,285,396,701	5,923,460,781	4,756,319,820	9,372,465,180
10	3,698,714,052	1,208,653,479	1,379,056,248	6,043,291,875
Sum				

No.	5	6	7	8
1	¥ 2,946,137,805	¥ 1,250,807,693	¥ 1,326,598,407	¥ 2,649,317,058
2	8,290,651,374	4,973,628,015	9,032,857,641	8,034,125,769
3	−9,716,324,085	1,564,897,320	−1,726,943,850	4,897,256,103
4	−1,280,756,934	7,308,629,541	−8,349,265,071	3,026,798,514
5	5,391,870,462	5,617,498,032	3,704,491,582	1,597,204,683
6	1,569,403,278	9,384,215,706	2,197,350,864	7,934,120,568
7	−3,872,614,850	7,826,140,395	8,413,025,697	3,482,905,716
8	−2,058,739,641	2,485,376,901	−5,269,130,748	2,805,641,937
9	4,125,986,703	6,720,531,489	−4,580,976,123	6,351,078,492
10	7,813,245,096	3,649,052,178	7,841,309,256	5,713,869,240
Sum				

No.	9	10	11	12
1	¥ 6,037,259,184	¥ 2,735,690,418	¥ 2,089,763,451	¥ 3,520,481,796
2	7,186,324,095	1,306,528,794	9,614,832,075	7,109,652,834
3	5,342,910,867	7,260,195,438	7,863,295,410	2,398,516,740
4	4,761,839,025	4,901,837,526	5,974,018,623	7,206,891,435
5	−7,056,412,389	8,736,940,152	8,249,631,750	8,321,745,096
6	−6,729,591,438	3,954,216,807	1,305,492,876	1,649,830,275
7	3,274,086,591	1,842,579,630	3,620,951,748	8,512,796,403
8	−9,857,120,643	5,471,283,096	5,308,274,169	6,074,138,562
9	−8,620,543,719	7,528,409,361	8,147,329,305	4,861,203,957
10	1,493,205,876	9,013,782,545	6,431,807,592	5,937,064,128
Sum				

No.	13	14	15
1	¥ 9,201,863,574	¥ 7,248,690,513	¥ 6,598,730,124
2	2,190,378,465	2,950,317,648	3,071,258,946
3	−5,286,934,791	8,475,206,193	−2,164,593,807
4	−3,694,578,120	3,256,083,719	−3,609,125,478
5	7,940,326,518	9,834,267,150	4,826,390,157
6	8,701,569,243	8,910,726,345	8,579,043,612
7	4,853,192,607	6,147,385,209	5,461,879,203
8	−2,915,604,783	4,725,901,386	−7,637,104,958
9	−8,029,415,376	7,061,549,832	−4,312,756,089
10	6,537,281,094	5,302,874,961	9,285,461,730
Sum			

Dan Sums (10 min)

No.	16	17	18	19
1	¥ 8,196,724,053	¥ 6,492,531,078	¥ 8,352,690,174	¥ 1,978,504,632
2	4,528,016,379	2,534,678,910	5,921,407,386	8,491,760,325
3	9,672,354,018	−6,872,410,395	4,736,290,158	−6,924,317,850
4	3,521,047,936	−9,764,152,038	2,973,416,805	−1,708,945,623
5	2,658,301,749	8,517,623,490	9,082,563,471	8,390,674,512
6	6,871,549,320	1,803,547,269	7,325,901,684	7,641,029,385
7	1,264,980,573	−5,368,290,147	1,587,026,349	2,486,715,009
8	7,305,169,824	−7,180,945,236	7,816,249,035	−3,857,092,461
9	2,743,698,105	1,659,308,724	5,140,832,967	−9,135,246,708
10	3,917,405,682	4,971,036,852	6,409,378,512	5,079,831,246
Sum				

No.	20	21	22	23
1	¥ 7,291,864,053	¥ 9,650,724,813	¥ 2,013,789,564	¥ 9,854,021,673
2	9,826,705,341	6,243,179,580	6,891,354,072	5,976,218,340
3	2,179,634,085	9,784,201,653	1,673,290,584	7,495,162,083
4	9,547,180,632	2,451,893,760	8,536,172,409	5,289,436,701
5	1,893,402,576	8,907,234,615	1,824,695,375	−3,047,681,529
6	7,961,583,402	4,681,072,539	4,375,912,068	−6,814,320,795
7	8,107,925,346	1,263,945,087	7,528,631,940	1,987,035,264
8	3,028,517,964	4,578,639,201	3,905,487,621	−8,741,309,695
9	5,730,946,218	7,835,410,926	5,162,840,793	−4,638,952,107
10	4,312,358,760	5,329,067,148	7,450,968,231	3,120,897,456
Sum				

No.	24	25	26	27
1	¥ 8,372,406,195	¥ 4,015,726,389	¥ 1,329,047,865	¥ 6,785,201,934
2	4,193,068,762	3,967,084,512	8,132,514,906	1,860,732,459
3	1,564,729,830	−5,639,708,241	2,048,659,317	4,398,210,576
4	3,021,594,687	−1,407,963,852	4,329,065,781	1,957,346,082
5	5,260,371,948	6,849,150,723	5,648,971,320	−9,703,154,628
6	6,179,853,204	3,182,507,496	2,480,397,561	−7,625,819,304
7	3,618,597,042	7,631,982,045	6,057,839,412	9,370,548,216
8	2,504,983,671	−6,390,814,527	8,791,256,034	−5,241,980,673
9	6,841,072,539	−2,158,436,709	9,214,630,857	−8,064,791,235
10	7,936,248,150	9,503,241,678	3,975,102,648	2,589,663,740
Sum				

No.	28	29	30
1	¥ 4,508,917,623	¥ 7,043,526,891	¥ 7,186,293,450
2	5,671,380,294	6,795,418,320	8,643,905,217
3	6,230,847,519	7,653,249,801	2,096,317,458
4	8,421,796,053	9,162,705,348	5,871,096,341
5	4,743,569,218	−1,829,673,405	6,792,108,534
6	6,357,492,180	−3,057,498,162	9,534,026,187
7	7,965,028,341	9,472,681,035	1,059,768,234
8	9,780,516,432	−8,201,946,753	9,513,684,702
9	3,624,905,178	−5,184,302,579	5,938,471,026
10	2,806,134,957	2,578,130,946	3,265,140,879
Sum			

Answers Dan

Multiplication

1	35.659	21	1,621,135.181	41	¥39,140,796,024
2	5,440,611,884	22	62,388,223,534	42	¥83,753,156,905
3	231,211,160.12	23	2,002.141	43	¥3,867,008,254
4	0.278	24	0.289	44	¥36,575,728,916
5	58,106.423	25	14,032,783,348	45	¥3,909,634,698
6	26,164,165,176	26	9,289,503,418	46	¥12,207,355,733
7	71,852,846,450	27	36,383,837,712	47	¥38,276
8	18,003.988	28	221,064.673	48	¥13,872,309
9	23,553,297,000	29	55,307,522,180	49	¥376,253
10	7,641,601,184	30	7,913.062	50	¥16,233
11	63,409,046,589	31	¥82,595	51	¥6,122,713,258
12	20,038,076,310	32	¥19,810,750,834	52	¥1,823,751
13	2,411,239.45	33	¥3,902,122,553	53	¥24,725
14	101,083.066	34	¥22,455,715,536	54	¥31,423,059,836
15	33,097,738.394	35	¥180,311	55	¥199,734,689
16	0.074	36	¥84,066,781,253	56	¥46,799,020,368
17	8,768,502,352	37	¥1,945,670	57	¥64,952
18	177.183	38	¥41,865,719,847	58	¥81,728,180,422
19	32,559,646,272	39	¥6,383,202,534	59	¥583,617,964
20	89,720,384,232	40	¥53,338	60	¥33,235,021,582

Division

1	38.247	13	91,647	25	92.613	37	¥74,280	49	¥21,834
2	70,485	14	52.906	26	28,064	38	¥31,954	50	¥79,310
3	9.754	15	34.012	27	493,857	39	¥106,428	51	¥67,504
4	23,916	16	68.295	28	71,439	40	¥35,869	52	¥147,389
5	87.061	17	596,078	29	50.381	41	¥65,248	53	¥2,043
6	60,532	18	1,769	30	34.295	42	¥30,527	54	¥50,972
7	21,693	19	8,052.3	31	¥62,017	43	¥476,089	55	¥73,651
8	16.309	20	40.381	32	¥28,741	44	¥1,452	56	¥18,496
9	549,028	21	65,172	33	¥57,093	45	¥98,673	57	¥96,825
10	45,178	22	8.709	34	¥89,375	46	¥53,761	58	¥82,130
11	73,854	23	605.48	35	¥4,602	47	¥41,096	59	¥39,017
12	27,431	24	17,026	36	¥95,136	48	¥82,905	60	¥45,268

Sums

1	¥55,197,130,670	11	¥58,605,396,999	21	¥60,725,369,322
2	¥47,432,252,192	12	¥55,592,321,226	22	¥49,363,142,657
3	¥20,661,657,690	13	¥19,498,078,431	23	¥10,480,507,391
4	¥52,185,885,192	14	¥63,913,002,956	24	¥49,492,926,028
5	¥13,208,859,208	15	¥20,099,183,440	25	¥19,552,769,514
6	¥50,780,777,270	16	¥50,679,247,639	26	¥52,007,485,701
7	¥12,589,317,655	17	−¥3,207,071,493	27	−¥3,674,042,833
8	¥46,492,318,080	18	¥59,345,756,541	28	¥60,110,587,795
9	−¥4,168,042,551	19	¥12,442,912,467	29	¥24,432,291,442
10	¥52,751,463,767	20	¥59,880,118,377	30	¥59,900,812,028