

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	$0.04175 \times 854.103 =$
2	$164,932 \times 32,987 =$
3	$451,267 \times 512.36 =$
4	$0.6801354 \times 0.4091 =$
5	$9,570.83 \times 6.0712 =$
6	$327,609 \times 79,864 =$
7	$729,841 \times 98,450 =$
8	$238,495 \times 0.07549 =$
9	$893,016 \times 26,375 =$
10	$560,728 \times 13,628 =$
11	$782,451 \times 81,039 =$
12	$354,719 \times 56,490 =$
13	$691,375 \times 3.4876 =$
14	$1,097,536 \times 0.0921 =$
15	$4,182.07 \times 7,914.2 =$
16	$0.26048 \times 0.283715 =$
17	$853,964 \times 10,268 =$
18	$0.037182 \times 4,765.3 =$
19	$520,896 \times 62,507 =$
20	$940,623 \times 95,384 =$
21	$210,589 \times 7.6981 =$
22	$670,423 \times 93,058 =$
23	$106,952 \times 0.01872 =$
24	$0.485296 \times 0.59463 =$
25	$754,613 \times 18,596 =$
26	$382,174 \times 24,307 =$
27	$967,038 \times 37,624 =$
28	$5,239.741 \times 42.19 =$
29	$841,307 \times 65,740 =$
30	$0.09865 \times 80,213.5 =$

Dan Multiplication (10 min)

31	$\text{¥ } 5/6,798 \times 0./5982 =$
32	$\text{¥ } 238,609 \times 83,026 =$
33	$\text{¥ } 7,549,086 \times 5/6.9 =$
34	$\text{¥ } 30,824 \times 728,5/4 =$
35	$\text{¥ } 4/8,375 \times 0.43098 =$
36	$\text{¥ } 872,053 \times 96,40/ =$
37	$\text{¥ } 932,/47 \times 2.0873 =$
38	$\text{¥ } 602,93/ \times 69,437 =$
39	$\text{¥ } /95,462 \times 32,657 =$
40	$\text{¥ } 746,5/0 \times 0.07/45 =$
41	$\text{¥ } 437,562 \times 89,452 =$
42	$\text{¥ } 9,263,705 \times 9,04/ =$
43	$\text{¥ } 820,359 \times 4,7/3.8 =$
44	$\text{¥ } 7/4,286 \times 5/,206 =$
45	$\text{¥ } 260,/74 \times /5,027 =$
46	$\text{¥ } 350,897 \times 34,789 =$
47	$\text{¥ } 548,9/3 \times 0.06973 =$
48	$\text{¥ } /97,420 \times 70.268 =$
49	$\text{¥ } 59/,648 \times 0.63594 =$
50	$\text{¥ } 68,03/ \times 0.2386/5 =$
51	$\text{¥ } 48/,762 \times /2,709 =$
52	$\text{¥ } 6,432,985 \times 0.2835 =$
53	$\text{¥ } 546,290 \times 0.04526 =$
54	$\text{¥ } 80,5/6 \times 390,27/ =$
55	$\text{¥ } 270,438 \times 738.56 =$
56	$\text{¥ } 792,304 \times 59,067 =$
57	$\text{¥ } /37,659 \times 0.47/83 =$
58	$\text{¥ } 950,/73 \times 86,0/4 =$
59	$\text{¥ } 89/,047 \times 654.98 =$
60	$\text{¥ } 356,82/ \times 93,/42 =$

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	$2,190,333.975 \div 57,268 =$
2	$3,233,781.315 \div 45,879 =$
3	$67,530.75028 \div 6,923.14 =$
4	$1,747,207,296 \div 73,056 =$
5	$20,967 \div 240.83 =$
6	$2,335,990,412 \div 38,591 =$
7	$421.27806 \div 0.01942 =$
8	$15,674.09721 \div 961.07 =$
9	$892,170,500 \div 1,625 =$
10	$3,827,931,940 \div 84,730 =$
11	$5,828,926,950 \div 78,925 =$
12	$983,181,902 \div 35,842 =$
13	$8,827,255,746 \div 96,318 =$
14	$2,893,453.959 \div 54,690 =$
15	$0.83567925 \div 0.02457 =$
16	$458,185.7179 \div 6,708.9 =$
17	$4,871,745,494 \div 8,173 =$
18	$337,461,516 \div 190,764 =$
19	$332,044.6428 \div 41.236 =$
20	$949 \div 23.501 =$
21	$5,522,610,108 \div 84,739 =$
22	$1,759,161.682 \div 201,984 =$
23	$21.5671976 \div 0.03562 =$
24	$1,662,044,068 \div 97,618 =$
25	$390,421 \div 4,215.6 =$
26	$1,847,761,824 \div 65,841 =$
27	$2,668,309,371 \div 5,403 =$
28	$5,666,541,480 \div 79,320 =$
29	$191.8275127 \div 3.8075 =$
30	$55,890.2176 \div 1,629.7 =$

Dan Division (10 min)

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

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