

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	$317,942 \times 56.219 =$
2	$548,361 \times 90,436 =$
3	$6,913,274 \times 0.0374 =$
4	$70,439 \times 723,980 =$
5	$259,014 \times 14,693 =$
6	$420,683 \times 69,857 =$
7	$0.152708 \times 0.81562 =$
8	$0.086597 \times 3,812.5 =$
9	$936,825 \times 45,708 =$
10	$8,071.56 \times 27.041 =$
11	$3,952,047 \times 3,029 =$
12	$120,387 \times 0.09546 =$
13	$0.601574 \times 0.10893 =$
14	$916,208 \times 6.1752 =$
15	$598,763 \times 73,180 =$
16	$4.87612 \times 942.38 =$
17	$83,421 \times 256,314 =$
18	$0.034159 \times 5.7461 =$
19	$746,935 \times 48,675 =$
20	$250,896 \times 82,907 =$
21	$531,209 \times 0.02356 =$
22	$279,863 \times 17,695 =$
23	$492,085 \times 80,541 =$
24	$9,576,321 \times 5,470 =$
25	$64.0738 \times 6,890.3 =$
26	$301,456 \times 31.764 =$
27	$785,146 \times 26,139 =$
28	$863,092 \times 43,218 =$
29	$0.182974 \times 0.79082 =$
30	$0.04517 \times 95,482.7 =$

Dan Multiplication (10 min)

31	$\text{¥ } 236,749 \times 0.86105 =$
32	$\text{¥ } 798,234 \times 79,362 =$
33	$\text{¥ } 934,601 \times 1,823.9 =$
34	$\text{¥ } 705,382 \times 59,814 =$
35	$\text{¥ } 150,978 \times 0.25043 =$
36	$\text{¥ } 320,167 \times 3.1478 =$
37	$\text{¥ } 5,479,813 \times 6,057 =$
38	$\text{¥ } 461,025 \times 0.02781 =$
39	$\text{¥ } 81,456 \times 473,096 =$
40	$\text{¥ } 682,590 \times 96,425 =$
41	$\text{¥ } 351,094 \times 61,453 =$
42	$\text{¥ } 1,298,467 \times 3,814 =$
43	$\text{¥ } 794,238 \times 0.06829 =$
44	$\text{¥ } 403,725 \times 0.72501 =$
45	$\text{¥ } 962,570 \times 43,296 =$
46	$\text{¥ } 865,319 \times 0.80376 =$
47	$\text{¥ } 613,852 \times 950.37 =$
48	$\text{¥ } 847,601 \times 591.42 =$
49	$\text{¥ } 50,143 \times 170,485 =$
50	$\text{¥ } 207,986 \times 29,768 =$
51	$\text{¥ } 72,146 \times 851,062 =$
52	$\text{¥ } 479,583 \times 2,438.7 =$
53	$\text{¥ } 865,291 \times 67.348 =$
54	$\text{¥ } 619,304 \times 72,801 =$
55	$\text{¥ } 451,637 \times 19,654 =$
56	$\text{¥ } 940,758 \times 0.41635 =$
57	$\text{¥ } 5,208,479 \times 9,217 =$
58	$\text{¥ } 138,062 \times 58,096 =$
59	$\text{¥ } 263,910 \times 0.34029 =$
60	$\text{¥ } 307,825 \times 0.09573 =$

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	$8,566,732,110 \div 93,846 =$
2	$4,933,524.821 \div 61,087 =$
3	$5,523,066,735 \div 87,105 =$
4	$2,690,219,280 \div 46,320 =$
5	$41,787 \div 524.69 =$
6	$482,088,204 \div 15,038 =$
7	$145,398.4295 \div 357.4 =$
8	$470.422596 \div 294.751 =$
9	$4.55544321 \div 0.08293 =$
10	$2,174,522,168 \div 79,612 =$
11	$4,640,921,196 \div 61,023 =$
12	$38.6165705 \div 3.6789 =$
13	$6,771,653.605 \div 82,065 =$
14	$4,655,090,820 \div 97,340 =$
15	$0.292169124 \div 0.089251 =$
16	$13,435.50933 \div 148.07 =$
17	$62,041,221 \div 2,567.4 =$
18	$4,693,158,316 \div 79,436 =$
19	$2,974,240,062 \div 4,518 =$
20	$726,017,608 \div 53,192 =$
21	$1,386,066,066 \div 23,019 =$
22	$6,591,629.689 \div 8,256 =$
23	$4,976.921376 \div 928.135 =$
24	$954,384,816 \div 37,904 =$
25	$45.5701904 \div 1.4678 =$
26	$7,395,284.801 \div 76,381 =$
27	$5,780,271,160 \div 65,720 =$
28	$14,289 \div 410.63 =$
29	$1,149.07692 \div 0.09547 =$
30	$2,379,747,020 \div 58,492 =$

Dan Division (10 min)

31	$\pounds 21,165,878 \div 254.96 =$
32	$\pounds 2,620,910,288 \div 57,821 =$
33	$\pounds 2,798 \div 0.03984 =$
34	$\pounds 5,947,481,584 \div 91,652 =$
35	$\pounds 45,565,582 \div 3,516.8 =$
36	$\pounds 4,488,192,588 \div 49,017 =$
37	$\pounds 2,463,242,315 \div 6,203 =$
38	$\pounds 1,577,339,206 \div 76,042 =$
39	$\pounds 47,655 \div 0.84375 =$
40	$\pounds 94,370,095 \div 10,873.9 =$
41	$\pounds 2,924 \div 0.05417 =$
42	$\pounds 3,143,478 \div 39.728 =$
43	$\pounds 2,297,625 \div 560.832 =$
44	$\pounds 5,230,854,192 \div 81,096 =$
45	$\pounds 3,394,242 \div 126.45 =$
46	$\pounds 25,747 \div 0.74165 =$
47	$\pounds 2,703,951,120 \div 28,379 =$
48	$\pounds 4,850,399,853 \div 6,903 =$
49	$\pounds 3,831,604,959 \div 47,281 =$
50	$\pounds 1,708,843,656 \div 93,054 =$
51	$\pounds 3,258,686,768 \div 68,014 =$
52	$\pounds 18,144 \div 0.84375 =$
53	$\pounds 1,261,385,586 \div 23,587 =$
54	$\pounds 5,000 \div 0.05193 =$
55	$\pounds 25,606 \div 3.71269 =$
56	$\pounds 512,974 \div 5.9836 =$
57	$\pounds 959,895,589 \div 10,429 =$
58	$\pounds 327,643,791 \div 4,670.2 =$
59	$\pounds 2,454,417,315 \div 72,051 =$
60	$\pounds 1,797,702,192 \div 9,648 =$

Soroban Technology Lab

Dan Sums (10 min)

No.		Name	
Date		Score	

No.	1	2	3	4
1	¥ 1,498,370,526	¥ 8,250,163,947	¥ 6,370,248,915	¥ 7,420,865,391
2	5,384,269,710	4,981,305,762	7,238,169,504	5,287,096,143
3	3,491,806,527	1,026,798,345	2,041,836,795	7,518,624,930
4	8,129,067,453	9,382,570,614	-8,460,513,279	5,784,190,362
5	3,962,104,875	2,609,487,153	-3,025,971,684	6,023,514,879
6	4,708,013,956	8,741,695,032	5,697,812,340	2,639,105,784
7	9,650,182,347	1,965,204,378	-7,146,923,508	9,243,618,075
8	1,273,659,408	7,643,521,809	-2,657,481,093	8,956,349,702
9	6,857,942,031	6,810,752,934	1,984,750,362	1,069,453,287
10	7,130,598,264	3,578,014,296	4,569,027,131	3,801,972,654
Sum				

No.	5	6	7	8
1	¥ 3,482,790,151	¥ 3,561,920,874	¥ 2,936,875,104	¥ 9,542,018,637
2	1,735,904,268	6,145,892,307	9,243,568,077	7,039,651,248
3	3,416,082,597	1,532,479,680	6,721,935,840	8,563,274,109
4	-7,081,635,942	6,198,327,405	-7,408,563,912	2,057,981,463
5	-1,279,508,436	8,342,576,091	-5,081,249,367	3,674,102,859
6	9,821,643,507	9,704,163,528	6,358,924,710	7,940,618,235
7	8,145,962,730	4,290,815,673	2,045,716,839	8,167,539,024
8	-5,260,487,913	3,624,109,857	-3,470,152,698	1,324,795,860
9	-2,574,813,096	2,876,045,913	-4,692,017,583	6,805,147,392
10	4,307,129,685	5,053,284,169	8,137,692,045	4,296,350,718
Sum				

No.	9	10	11	12
1	¥ 1,250,847,369	¥ 7,035,681,294	¥ 6,782,140,935	¥ 3,207,906,184
2	9,762,108,543	6,204,715,938	3,540,692,817	4,795,231,608
3	3,290,817,458	9,742,681,350	8,463,019,572	9,146,028,537
4	1,609,384,527	2,301,394,578	5,392,481,706	2,301,849,765
5	-5,794,238,106	6,413,027,895	3,769,028,415	7,825,694,103
6	-4,305,976,218	1,670,243,589	7,893,145,260	2,917,368,054
7	5,083,462,179	2,589,760,134	5,271,806,394	5,194,237,860
8	-7,415,309,682	5,971,408,263	2,634,718,509	1,073,584,692
9	-8,537,641,920	8,365,197,402	4,157,269,083	4,682,015,379
10	2,176,093,845	3,628,579,041	1,806,954,327	8,760,123,945
Sum				

No.	13	14	15
1	¥ 1,872,546,903	¥ 7,652,384,019	¥ 9,085,761,432
2	4,219,867,530	9,580,673,421	7,862,935,140
3	1,324,680,957	5,319,760,284	-2,605,274,819
4	5,187,423,609	3,760,928,451	-8,316,947,250
5	-2,695,081,473	6,981,507,243	3,690,125,487
6	-5,364,970,128	4,837,059,612	7,201,648,953
7	9,981,307,642	3,514,702,896	8,514,720,369
8	-3,806,574,291	6,108,495,723	-6,279,308,514
9	-8,463,019,725	1,497,683,507	-5,127,483,096
10	7,046,295,381	2,745,819,360	4,936,052,871
Sum			

Dan Sums (10 min)

No.	16	17	18	19
1	¥ 2,890,615,473	¥ 8,723,604,951	¥ 3,847,160,952	¥ 5,682,317,940
2	3,246,087,591	3,214,859,607	1,230,456,789	3,795,461,208
3	1,329,546,860	1,952,730,468	3,928,501,176	5,604,837,921
4	5,716,084,932	5,618,403,297	5,286,910,437	-8,250,914,736
5	6,032,895,471	-2,489,670,513	4,750,698,321	-2,186,340,597
6	7,501,648,392	-4,907,158,632	2,816,943,057	9,044,673,281
7	3,478,126,905	2,158,963,470	7,091,486,325	-3,105,749,862
8	8,761,432,059	-7,564,021,893	1,683,702,594	-1,927,684,305
9	1,523,960,784	-9,135,842,706	9,345,017,862	4,369,025,187
10	4,195,703,628	1,046,587,329	6,179,235,048	6,831,502,479
Sum				

No.	20	21	22	23
1	¥ 8,572,940,316	¥ 2,871,453,960	¥ 3,249,076,815	¥ 9,783,152,604
2	7,169,362,840	7,904,826,315	7,590,613,428	6,470,593,182
3	1,580,934,627	3,515,247,960	2,409,875,316	3,182,407,956
4	6,371,892,405	9,268,701,534	8,795,306,142	1,620,753,894
5	5,820,739,164	4,839,267,015	9,056,148,237	-5,178,269,403
6	7,045,691,283	1,254,936,708	5,230,864,791	-8,542,910,639
7	8,752,306,419	3,416,825,079	2,864,903,157	7,635,401,928
8	3,017,584,926	7,693,084,152	5,321,697,304	-2,896,034,751
9	4,653,218,097	6,025,379,841	1,768,530,942	-1,954,628,370
10	2,906,453,178	5,702,168,493	4,673,251,089	8,319,570,246
Sum				

No.	24	25	26	27
1	¥ 2,018,546,397	¥ 3,764,805,291	¥ 1,476,529,380	¥ 6,945,078,213
2	1,605,973,842	7,906,123,548	7,562,108,934	5,284,307,961
3	2,590,687,413	8,754,912,603	4,853,691,072	8,403,279,516
4	9,847,213,065	-9,686,143,527	7,589,243,610	-4,876,921,305
5	8,624,130,957	-5,302,671,849	3,761,052,894	-9,253,147,680
6	7,908,521,634	6,923,840,715	8,920,741,356	3,016,958,427
7	9,257,614,803	-7,045,389,261	3,097,486,215	2,831,406,759
8	5,139,407,286	-1,869,250,437	2,386,795,401	-8,162,530,947
9	3,751,029,468	8,530,497,162	9,230,467,158	-3,719,682,405
10	4,572,368,109	4,291,786,350	6,045,319,827	1,657,493,832
Sum				

No.	28	29	30
1	¥ 1,059,486,327	¥ 7,508,926,431	¥ 5,384,019,672
2	4,368,710,592	3,175,690,842	3,412,965,087
3	2,954,176,380	4,390,716,258	5,787,013,249
4	7,410,568,239	-7,146,839,025	7,413,280,956
5	6,378,295,041	-9,230,174,658	2,576,341,098
6	7,402,138,695	1,375,069,824	9,701,563,482
7	2,763,419,850	8,927,341,506	1,934,608,257
8	9,180,037,425	-9,054,863,271	3,648,970,521
9	5,247,603,918	-6,801,245,197	8,257,496,310
10	3,591,824,076	5,482,107,963	4,890,752,163
Sum			

Answers Dan

Multiplication

1	17,874,381.298	21	12,515.284	41	¥21,575,779,582
2	49,591,575,396	22	4,952,175,785	42	¥4,952,353,138
3	258,556,448	23	39,633,017,985	43	¥54,239
4	50,996,427,220	24	52,382,475,870	44	¥292,705
5	3,805,692,702	25	441,487.704	45	¥41,675,430,720
6	29,387,652,331	26	9,575,448.384	46	¥695,509
7	0.125	27	20,522,931,294	47	¥583,386,525
8	330.151	28	37,301,110,056	48	¥501,288,183
9	42,820,397,100	29	0.145	49	¥8,548,629,355
10	218,263.054	30	4,312.954	50	¥6,191,327,248
11	11,970,750,363	31	¥203,853	51	¥61,400,719,052
12	11,492.143	32	¥63,349,446,708	52	¥1,169,559,062
13	0.066	33	¥1,704,618,764	53	¥58,275,618
14	5,657,767.642	34	¥42,191,718,948	54	¥45,085,950,504
15	43,817,476,340	35	¥37,809	55	¥8,876,473,598
16	4,595.158	36	¥1,007,822	56	¥391,685
17	21,381,970,194	37	¥33,191,227,341	57	¥48,006,550,943
18	0.196	38	¥12,821	58	¥8,020,849,952
19	36,357,061,125	39	¥38,536,507,776	59	¥89,806
20	20,801,034,672	40	¥65,818,740,750	60	¥29,468

Division

1	91,285	13	82.516	25	31.047	37	¥397,105	49	¥81,039
2	80.762	14	47,823	26	96,821	38	¥20,743	50	¥18,364
3	63,407	15	3.274	27	87,953	39	¥56,480	51	¥47,912
4	58,079	16	90.738	28	34.798	40	¥8,679	52	¥21,504
5	79.641	17	24,165	29	12,036	41	¥53,978	53	¥53,478
6	32,058	18	59,081	30	40,685	42	¥79,125	54	¥96,283
7	406.823	19	658,309	31	¥83,016	43	¥4,097	55	¥6,897
8	1.596	20	13,649	32	¥45,328	44	¥64,502	56	¥85,730
9	54.931	21	60,214	33	¥70,231	45	¥26,843	57	¥92,041
10	27,314	22	798.405	34	¥64,892	46	¥34,716	58	¥70,156
11	76,052	23	5.362	35	¥12,957	47	¥95,280	59	¥34,065
12	10.497	24	25,179	36	¥91,564	48	¥702,651	60	¥186,329

Sums

1	¥52,086,015,097	11	¥49,711,257,018	21	¥52,491,891,057
2	¥54,989,514,270	12	¥49,904,040,127	22	¥50,960,267,221
3	¥6,610,955,483	13	¥9,302,476,405	23	¥18,440,036,647
4	¥57,744,791,207	14	¥51,999,014,516	24	¥55,315,492,974
5	¥14,713,067,551	15	¥18,962,230,573	25	¥16,268,510,595
6	¥51,329,615,497	16	¥44,676,102,095	26	¥54,923,435,847
7	¥14,792,729,055	17	-¥1,381,544,622	27	¥2,126,242,371
8	¥59,411,479,545	18	¥46,160,112,561	28	¥50,356,260,543
9	-¥2,880,452,005	19	¥19,857,128,516	29	-¥1,373,269,327
10	¥53,922,689,484	20	¥55,891,123,255	30	¥53,007,010,795