

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	$0.7586394 \times 0.9218 =$
2	$341,876 \times 34.657 =$
3	$519,062 \times 0.06385 =$
4	$650,128 \times 25,804 =$
5	$46,209 \times 738,091 =$
6	$28.3751 \times 1.2743 =$
7	$820,417 \times 59,476 =$
8	$0.079583 \times 675.29 =$
9	$120,943 \times 80,162 =$
10	$947,635 \times 41,930 =$
11	$730,246 \times 26,917 =$
12	$0.06195 \times 4,073.91 =$
13	$810,724 \times 1,268.9 =$
14	$321,607 \times 78,465 =$
15	$0.154089 \times 0.81324 =$
16	$589,371 \times 35,706 =$
17	$976.532 \times 5,413.8 =$
18	$423,058 \times 69,270 =$
19	$2,958,463 \times 0.0543 =$
20	$647,819 \times 90,852 =$
21	$194,705 \times 37,152 =$
22	$5.19872 \times 1.2074 =$
23	$615,294 \times 0.06243 =$
24	$782,143 \times 25,367 =$
25	$2,043,986 \times 7.908 =$
26	$362,059 \times 49,536 =$
27	$0.953017 \times 0.80491 =$
28	$406,328 \times 91,680 =$
29	$0.078634 \times 68.715 =$
30	$87,561 \times 534,829 =$

Dan Multiplication (10 min)

31	$\text{¥ } 782,436 \times 0.23065 =$
32	$\text{¥ } 613,740 \times 58.976 =$
33	$\text{¥ } 9,460,325 \times 4,128 =$
34	$\text{¥ } 47,259 \times 0.021759 =$
35	$\text{¥ } 819,064 \times 74,605 =$
36	$\text{¥ } 290,183 \times 80,734 =$
37	$\text{¥ } 580,671 \times 1.2593 =$
38	$\text{¥ } 352,918 \times 36,012 =$
39	$\text{¥ } 476,592 \times 0.94381 =$
40	$\text{¥ } 153,807 \times 69,847 =$
41	$\text{¥ } 9,618,742 \times 5.971 =$
42	$\text{¥ } 84,169 \times 257,369 =$
43	$\text{¥ } 590,487 \times 90,187 =$
44	$\text{¥ } 432,975 \times 86,419 =$
45	$\text{¥ } 213,608 \times 7,304.6 =$
46	$\text{¥ } 754,823 \times 0.12058 =$
47	$\text{¥ } 857,094 \times 0.04235 =$
48	$\text{¥ } 692,031 \times 65,704 =$
49	$\text{¥ } 170,356 \times 0.48623 =$
50	$\text{¥ } 362,510 \times 31,892 =$
51	$\text{¥ } 57,804 \times 0.067531 =$
52	$\text{¥ } 835,670 \times 0.50327 =$
53	$\text{¥ } 697,213 \times 46,082 =$
54	$\text{¥ } 341,028 \times 69,174 =$
55	$\text{¥ } 9,206,147 \times 0.2598 =$
56	$\text{¥ } 418,596 \times 89,253 =$
57	$\text{¥ } 780,951 \times 71,469 =$
58	$\text{¥ } 954,362 \times 3,801.5 =$
59	$\text{¥ } 260,739 \times 1.7406 =$
60	$\text{¥ } 132,485 \times 93,248 =$

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	$7.89756295 \div 0.097561 =$
2	$556.8357334 \div 7.6254 =$
3	$1,405,851.976 \div 45,690 =$
4	$1,268,696,646 \div 14,873 =$
5	$3,125,055,897 \div 32,947 =$
6	$11,940 \div 581.39 =$
7	$2,719,974,768 \div 63,728 =$
8	$1,083,626,936 \div 2,086 =$
9	$614,384.5737 \div 9,140.2 =$
10	$1,360,777,045 \div 80,315 =$
11	$0.98323468 \div 0.01634 =$
12	$648,541.289 \div 372,865 =$
13	$21,804 \div 693.82 =$
14	$5,305,400,382 \div 90,471 =$
15	$2,835.29434 \div 13.906 =$
16	$3,475,670,230 \div 74,590 =$
17	$2,428,197,044 \div 25,018 =$
18	$701.9300416 \div 8.6749 =$
19	$4,374,569,472 \div 58,123 =$
20	$1,037,860,857 \div 4,257 =$
21	$475,391,890 \div 2,830 =$
22	$1,675,979,424 \div 71,568 =$
23	$1,596,544,825 \div 46,075 =$
24	$87,722.8729 \div 1,742.3 =$
25	$5,923,450,456 \div 65,219 =$
26	$4,585,222.101 \div 90,381 =$
27	$276,741,323 \div 3,894.2 =$
28	$683,821.591 \div 8,319.4 =$
29	$3.29146143 \div 0.04756 =$
30	$2,424,540,846 \div 529,607 =$

Dan Division (10 min)

31	$\text{¥ } 12,550,372 \div 43.81 =$
32	$\text{¥ } 17,510 \div 0.56032 =$
33	$\text{¥ } 1,482,808,544 \div 30,158 =$
34	$\text{¥ } 4,315,575,803 \div 67,529 =$
35	$\text{¥ } 3,642,631,146 \div 79,814 =$
36	$\text{¥ } 1,812,489 \div 231.047 =$
37	$\text{¥ } 8,095,180,626 \div 92,706 =$
38	$\text{¥ } 7,685 \div 0.08465 =$
39	$\text{¥ } 15,139,192 \div 1,429.3 =$
40	$\text{¥ } 4,456,507,506 \div 85,679 =$
41	$\text{¥ } 2,836,665,473 \div 413,689 =$
42	$\text{¥ } 1,690,231,780 \div 19,564 =$
43	$\text{¥ } 3,719,107,048 \div 75,091 =$
44	$\text{¥ } 14,915 \div 0.58027 =$
45	$\text{¥ } 2,282,561 \div 32.408 =$
46	$\text{¥ } 755,794,653 \div 8,025.3 =$
47	$\text{¥ } 3,709,995 \div 6.375 =$
48	$\text{¥ } 1,504 \div 0.04912 =$
49	$\text{¥ } 1,673,633,871 \div 96,837 =$
50	$\text{¥ } 869,784,986 \div 27,146 =$
51	$\text{¥ } 5,221,136,262 \div 62,081 =$
52	$\text{¥ } 2,016,863,685 \div 30,915 =$
53	$\text{¥ } 515 \div 0.489103 =$
54	$\text{¥ } 1,127,932,260 \div 25,746 =$
55	$\text{¥ } 425,000,156 \div 14,279 =$
56	$\text{¥ } 5,200,990 \div 87.594 =$
57	$\text{¥ } 5,829 \div 0.06432 =$
58	$\text{¥ } 3,177,529 \div 5.063 =$
59	$\text{¥ } 716,857,736 \div 9,185.7 =$
60	$\text{¥ } 2,318,324,836 \div 73,628 =$

Soroban Technology Lab

Dan Sums (10 min)

No.		Name	
Date		Score	

No.	1	2	3	4
1	¥ 6,287,513,904	¥ 5,829,067,341	¥ 6,530,924,718	¥ 5,793,280,162
2	1,374,052,689	2,730,451,986	5,476,390,281	2,084,679,315
3	3,291,768,054	5,489,270,163	-8,204,973,615	5,249,308,761
4	1,372,590,486	9,351,607,284	-3,729,156,408	8,627,135,094
5	6,815,344,270	2,764,510,390	5,293,461,087	7,512,986,403
6	9,430,258,761	4,301,768,259	-1,564,208,973	3,498,205,176
7	5,962,014,378	8,012,936,475	-2,351,089,467	7,145,860,239
8	7,180,436,529	1,658,204,793	6,108,375,924	6,530,194,872
9	8,023,971,645	7,265,893,014	9,683,724,150	1,672,453,089
10	4,609,827,513	3,176,945,802	4,827,510,396	9,350,721,648
Sum				

No.	5	6	7	8
1	¥ 1,947,608,523	¥ 9,058,162,473	¥ 8,024,915,637	¥ 1,950,962,348
2	2,186,539,047	5,124,073,869	2,539,064,781	4,725,603,981
3	5,934,172,860	4,208,697,531	3,074,812,569	5,612,049,738
4	-8,367,510,294	5,329,160,847	2,308,547,691	7,341,980,652
5	-1,670,485,639	2,753,694,108	-5,749,031,268	6,102,458,739
6	3,816,750,294	1,465,820,973	-6,835,174,902	3,945,607,821
7	8,531,092,647	6,219,385,704	4,270,895,316	8,197,253,046
8	-7,418,236,905	8,947,236,510	-8,613,759,042	1,208,574,963
9	-4,259,803,716	3,186,745,029	-7,981,246,350	8,564,392,107
10	6,895,041,372	8,670,451,382	1,397,628,405	2,483,716,590
Sum				

No.	9	10	11	12
1	¥ 1,078,695,324	¥ 7,453,862,019	¥ 5,804,693,721	¥ 3,517,609,248
2	6,147,253,890	1,509,236,784	6,031,259,874	1,685,374,920
3	7,390,521,684	8,697,405,137	1,925,460,387	7,162,940,385
4	-3,751,684,029	4,319,768,502	5,376,249,801	1,427,358,096
5	-9,643,072,158	8,574,396,210	2,540,763,918	9,152,087,463
6	5,497,218,803	1,768,235,904	9,134,582,760	3,501,924,876
7	8,735,496,012	9,671,583,042	2,648,197,503	6,723,489,051
8	-7,568,324,901	6,908,321,475	7,850,631,429	2,894,726,513
9	-3,902,148,765	5,036,147,928	8,169,374,045	4,086,215,397
10	2,086,937,541	3,125,074,896	4,782,015,639	8,240,531,679
Sum				

No.	13	14	15
1	¥ 8,723,571,906	¥ 2,647,039,851	¥ 8,943,670,521
2	9,345,820,617	8,590,147,326	5,792,048,136
3	-2,730,548,961	4,627,813,950	4,521,370,918
4	-1,897,632,054	9,378,241,605	-8,973,026,451
5	9,526,701,438	5,043,968,271	-7,236,918,540
6	2,871,354,069	6,312,759,804	6,892,407,315
7	-6,034,925,817	5,173,062,489	7,310,594,682
8	-3,916,087,524	3,206,478,195	-9,735,812,406
9	7,168,403,295	9,835,204,617	-1,057,489,263
10	4,653,098,172	1,789,325,042	2,104,763,859
Sum			

Dan Sums (10 min)

No.	16	17	18	19
1	¥ 4,970,382,561	¥ 7,156,934,082	¥ 7,906,823,154	¥ 8,791,402,563
2	9,507,641,382	4,571,396,820	1,572,640,839	2,463,159,807
3	6,813,472,905	7,630,428,915	6,820,537,914	4,295,071,368
4	1,294,863,570	-4,296,107,538	1,967,853,402	2,107,398,544
5	4,065,139,728	-5,762,483,091	3,810,749,526	-6,542,039,871
6	8,310,917,456	6,891,725,340	8,624,957,310	-4,953,160,728
7	6,724,895,310	8,417,209,563	3,405,172,698	5,268,934,170
8	5,089,374,126	-1,239,570,624	5,049,286,371	-7,614,293,085
9	3,148,056,279	-9,304,215,768	9,734,601,852	-9,136,820,457
10	7,286,514,093	3,145,869,207	2,193,465,087	1,028,547,936
Sum				

No.	20	21	22	23
1	¥ 2,954,876,103	¥ 5,839,612,704	¥ 7,021,946,358	¥ 1,806,247,593
2	6,510,742,839	2,950,841,367	4,286,531,709	7,285,419,360
3	9,728,630,514	3,641,572,098	2,163,980,457	-4,512,870,936
4	5,890,721,346	5,407,093,816	4,506,897,123	-1,754,069,328
5	1,287,540,963	8,916,537,420	8,291,560,734	7,493,628,105
6	3,056,917,842	4,127,096,385	1,924,658,370	6,132,597,084
7	1,795,028,634	6,450,178,239	3,517,092,684	-2,619,854,703
8	6,302,451,987	9,038,765,124	6,378,405,912	-8,530,271,496
9	8,265,309,471	4,582,306,917	2,619,743,580	3,875,962,041
10	7,139,864,250	1,765,289,043	9,430,217,896	9,041,736,852
Sum				

No.	24	25	26	27
1	¥ 3,108,267,594	¥ 4,170,569,832	¥ 2,598,037,641	¥ 1,376,895,024
2	2,985,174,603	5,981,607,324	1,409,375,268	5,708,621,439
3	1,032,585,974	9,803,746,152	4,062,597,831	4,919,702,365
4	5,704,921,638	-7,124,659,083	7,140,958,362	8,604,123,579
5	7,463,159,820	-3,657,401,209	1,567,093,748	-7,820,531,496
6	4,785,610,932	8,915,732,640	9,712,486,053	-2,489,306,175
7	3,056,728,491	-9,562,013,487	4,139,708,526	5,364,978,021
8	2,513,894,760	-5,713,842,096	8,974,230,615	-8,521,369,740
9	6,247,019,385	6,295,180,743	6,851,742,390	-3,492,058,617
10	9,821,536,047	2,056,394,178	5,236,819,407	6,145,987,203
Sum				

No.	28	29	30
1	¥ 3,714,298,560	¥ 2,381,976,540	¥ 7,536,412,089
2	1,840,763,952	8,406,291,375	6,891,320,745
3	5,794,021,368	2,695,137,408	1,258,473,609
4	6,839,147,725	-9,708,315,624	3,405,967,182
5	1,463,528,097	-3,017,482,956	2,896,340,517
6	2,180,365,974	5,478,910,623	5,079,638,421
7	8,935,076,421	7,145,689,532	6,257,109,834
8	4,691,503,287	-8,593,721,064	5,712,863,940
9	7,528,419,603	-6,954,207,831	8,361,705,492
10	8,056,932,714	1,032,564,798	9,624,081,573
Sum			

Answers Dan

Multiplication

1	0.699	21	7,233,680,160	41	¥57,433,508
2	11,848,396,532	22	6,277	42	¥21,662,491,361
3	33,142,109	23	38,412,804	43	¥53,254,251,069
4	16,775,902,912	24	19,840,621,481	44	¥37,417,266,525
5	34,106,447,019	25	16,163,841,288	45	¥1,560,320,997
6	36,158	26	17,934,954,624	46	¥91,017
7	48,795,121,492	27	0.767	47	¥36,298
8	53.742	28	37,252,151,040	48	¥45,469,204,824
9	9,695,032,766	29	5,403	49	¥82,832
10	39,734,335,550	30	46,830,162,069	50	¥11,561,168,920
11	19,656,031,582	31	¥180,469	51	¥3,904
12	252.379	32	¥36,195,930	52	¥420,568
13	1,028,727,683.6	33	¥39,052,221,600	53	¥32,128,969,466
14	25,234,893,255	34	¥1,028	54	¥23,590,270,872
15	0.125	35	¥61,106,269,720	55	¥2,391,757
16	21,044,080,926	36	¥23,427,634,322	56	¥37,360,948,788
17	5,286,748,942	37	¥731,239	57	¥55,813,787,019
18	29,305,227,660	38	¥12,709,283,016	58	¥3,628,007,143
19	160,644.541	39	¥449,812	59	¥453,842
20	58,855,651,788	40	¥10,742,957,529	60	¥12,353,961,280

Division

1	80.95	13	31.426	25	90,824	37	¥87,321	49	¥17,283
2	73.024	14	58,642	26	50.732	38	¥90,786	50	¥32,041
3	30.769	15	203.89	27	71,065	39	¥10,592	51	¥84,102
4	85,302	16	46,597	28	82.196	40	¥52,014	52	¥65,239
5	94,851	17	97,058	29	69.207	41	¥6,857	53	¥1,053
6	20.537	18	80.915	30	4,578	42	¥86,395	54	¥43,810
7	42,681	19	75,264	31	¥286,473	43	¥49,528	55	¥29,764
8	519,476	20	243,801	32	¥31,250	44	¥25,704	56	¥59,376
9	67.218	21	167,983	33	¥49,168	45	¥70,432	57	¥90,625
10	16,943	22	23,418	34	¥63,907	46	¥94,176	58	¥627,598
11	60.173	23	34,651	35	¥45,639	47	¥581,960	59	¥78,041
12	1.739	24	50.349	36	¥7,845	48	¥30,619	60	¥31,487

Sums

1	¥54,347,778,229	11	¥54,263,229,077	21	¥52,719,293,113
2	¥50,580,655,507	12	¥48,392,257,628	22	¥50,141,034,823
3	¥22,070,958,093	13	¥27,709,755,141	23	¥18,218,524,572
4	¥57,464,824,759	14	¥56,604,041,150	24	¥46,718,899,244
5	¥7,595,168,189	15	¥8,561,608,771	25	¥11,165,314,994
6	¥54,963,428,426	16	¥57,211,257,410	26	¥51,693,049,841
7	-¥7,563,347,163	17	¥17,211,186,906	27	¥9,797,041,603
8	¥50,132,599,985	18	¥51,086,088,153	28	¥51,044,057,701
9	¥6,070,893,401	19	-¥4,291,799,753	29	-¥1,133,157,199
10	¥57,064,031,897	20	¥52,932,083,949	30	¥57,023,913,402