

Soroban Technology Lab

Dan Multiplication (10 min)

No.		Name	
Date		Score	

(Note) Round to 3 decimal places

1	$0.013726 \times 0.07564 =$
2	$74,051 \times 812,346 =$
3	$0.603482 \times 240.78 =$
4	$96,782.3 \times 639.25 =$
5	$206,179 \times 4,680.9 =$
6	$538,297 \times 95,107 =$
7	$365,498 \times 73,260 =$
8	$4,927,015 \times 5,891 =$
9	$816,594 \times 15,943 =$
10	$154,380 \times 0.37812 =$
11	$0.796308 \times 602.74 =$
12	$920,514 \times 70,138 =$
13	$4.3265 \times 0.812576 =$
14	$613,982 \times 24.093 =$
15	$307,546 \times 39,460 =$
16	$1,782,690 \times 5,781 =$
17	$285,071 \times 48,539 =$
18	$831,427 \times 92,645 =$
19	$0.047953 \times 158.97 =$
20	$581,649 \times 0.06132 =$

(Note) Round to the nearest yen

21	$\yen 981,234 \times 50,617 =$
22	$\yen 2,780,693 \times 0.0476 =$
23	$\yen 345,186 \times 9.7054 =$
24	$\yen 62,398 \times 32,057.1 =$
25	$\yen 419,605 \times 25,849 =$
26	$\yen 590,672 \times 69,843 =$
27	$\yen 805,741 \times 43,120 =$
28	$\yen 732,509 \times 0.86192 =$
29	$\yen 341,567 \times 0.13268 =$
30	$\yen 142,870 \times 78,395 =$
31	$\yen 516,038 \times 0.30869 =$
32	$\yen 892,463 \times 5,462.7 =$
33	$\yen 217,835 \times 0.08132 =$
34	$\yen 605,972 \times 2,790.3 =$
35	$\yen 739,041 \times 10,948 =$
36	$\yen 124,856 \times 48,570 =$
37	$\yen 861,074 \times 71,695 =$
38	$\yen 347,859 \times 62,531 =$
39	$\yen 91,230 \times 0.845126 =$
40	$\yen 4,256,907 \times 9,734 =$

Soroban Technology Lab

Dan Division (10 min)

No.		Name	
Date		Score	

(Note) Round to 3 decimal places

1	$66,173,315 \div 3,092.5 =$
2	$8.36450115 \div 0.27459 =$
3	$9,093,700,308 \div 94,017 =$
4	$7,886.31499 \div 41.38 =$
5	$4,594,397,340 \div 59,683 =$
6	$460,022,240 \div 17,840 =$
7	$5,061,846,832 \div 802,576 =$
8	$0.9024962 \div 0.02164 =$
9	$3,347,057,988 \div 63,852 =$
10	$6,178,786.227 \div 73,961 =$
11	$5,296,346,406 \div 53,846 =$
12	$2,020,507,650 \div 31,965 =$
13	$21.35445643 \div 0.27804 =$
14	$1,617,606,928 \div 627,953 =$
15	$57,872.28304 \div 70.928 =$
16	$9,271,017.834 \div 97,540 =$
17	$1,762,925,101 \div 4,319 =$
18	$68,219 \div 1,352.7 =$
19	$0.972413 \div 0.06812 =$
20	$3,136,097,097 \div 86,401 =$

(Note) Round to the nearest yen

21	$\yen 80,667 \div 0.95631 =$
22	$\yen 3,594,771,255 \div 72,465 =$
23	$\yen 866,139,048 \div 14,037 =$
24	$\yen 9,321,433 \div 507.98 =$
25	$\yen 23,117 \div 0.67853 =$
26	$\yen 3,835,314,072 \div 41,532 =$
27	$\yen 1,122,534,080 \div 219,760 =$
28	$\yen 3,155,304,159 \div 38,029 =$
29	$\yen 7,675 \div 0.09824 =$
30	$\yen 226,872,879 \div 841.6 =$
31	$\yen 1,005,671,280 \div 63,974 =$
32	$\yen 22,702,525 \div 402.57 =$
33	$\yen 59,321,135 \div 736.25 =$
34	$\yen 800,165,526 \div 105,382 =$
35	$\yen 5,109,708,748 \div 82,751 =$
36	$\yen 343,635,237 \div 24,813 =$
37	$\yen 8,628,333,560 \div 9,460 =$
38	$\yen 12,324 \div 0.59718 =$
39	$\yen 12,389 \div 0.30496 =$
40	$\yen 3,015 \div 0.08619 =$

Soroban Technology Lab

Dan Sums (8 min)

No.		Name	
Date		Score	

No.	1	2	3	4	5
1	¥ 943,216	¥ 2,897,061	¥ 4,970,685	¥ 3,658,709	¥ 29,850,746
2	29,384,570	350,428,716	8,079,614,523	801,234	740,526,893
3	584,796,201	8,023,965,471	-245,108	40,275,891	-1,375,240
4	415,392	459,328	-1,689,237	361,948	-5,267,901
5	1,046,728	684,527,103	3,526,894,710	98,254,673	6,473,029,815
6	56,931,087	5,380,469	35,412,068	7,129,538,460	168,392
7	7,608,153	956,217	693,105,472	531,046,279	814,563
8	3,865,129,470	7,408,132,695	-980,421,736	2,310,657	958,431,027
9	8,043,572,961	16,073,984	-753,192	674,192,085	-36,104,789
10	602,857,439	31,709,542	58,036,974	1,057,489,326	-4,602,793,158
Sum					

No.	6	7	8	9	10
1	¥ 154,263	¥ 2,359,748	¥ 58,062,734	¥ 1,369,507	¥ 41,697,085
2	89,263,710	179,832,506	9,164,520,873	894,502,316	374,812
3	7,018,594	-975,421	619,457	47,920,138	125,394
4	357,209	-46,382,019	8,549,320,716	-5,087,216	5,012,983,647
5	693,841,075	6,098,213,574	5,862,901	-648,325	8,520,936
6	4,102,639,857	815,074,362	193,287	706,413,859	3,207,698,415
7	8,710,325,469	5,927,408,613	26,908,143	4,150,872,963	973,450,168
8	21,703,846	761,890	410,785,329	-9,318,564,072	25,364,870
9	948,576,132	-60,547,138	7,431,650	-32,756,490	6,019,728
10	5,490,628	-3,620,945	392,754,068	291,784	760,241,953
Sum					

Dan Sums (8 min)

No.	11	12	13	14	15
1	¥ 5,431,890	¥ 1,562,790	¥ 1,539,284	¥ 839,254,706	¥ 7,510,643
2	409,268,751	9,705,831,642	478,125,036	570,829	8,165,479,230
3	21,786,493	247,938	7,314,659,208	-4,813,605	283,017,645
4	6,590,147,328	358,169	507,941	-1,792,840	1,872,956
5	563,274	-73,501,924	25,964,078	3,082,417,956	981,723
6	380,562	-8,724,063	9,063,742,581	7,246,391,085	698,204
7	16,594,073	427,165,809	802,357,619	953,064,712	3,804,967,152
8	752,018,439	182,670,453	6,841,723	-27,946,381	90,425,368
9	9,143,725,806	-50,496,381	30,298,465	-10,829,563	49,203,571
10	8,902,617	-6,214,983,507	610,397	635,174	538,746,019
Sum					

No.	16	17	18	19	20
1	¥ 2,605,183	¥ 87,023,561	¥ 2,465,180	¥ 632,715	¥ 9,371,284,056
2	4,597,368	249,738	248,976,013	856,104	2,137,695
3	3,926,845,071	912,704,685	709,235	240,798,653	482,109
4	81,739,420	-1,052,468	59,860,372	96,204,718	534,026
5	683,904	-64,398,517	497,215	-369,428,107	7,253,869
6	246,517	3,682,109	3,581,647	-18,973,562	190,647,538
7	5,268,170,439	7,136,890,254	6,097,135,824	4,172,350,986	64,875,910
8	739,012,645	9,048,256,173	8,375,612,409	5,014,893	46,701,382
9	90,351,278	-473,095	14,023,968	-9,621,547,038	3,058,926,741
10	105,468,792	-529,167,340	906,348,751	-7,495,320	805,319,427
Sum					

Soroban Technology Lab

Dan Receipts (8 min)

No.		Name	
Date		Score	

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

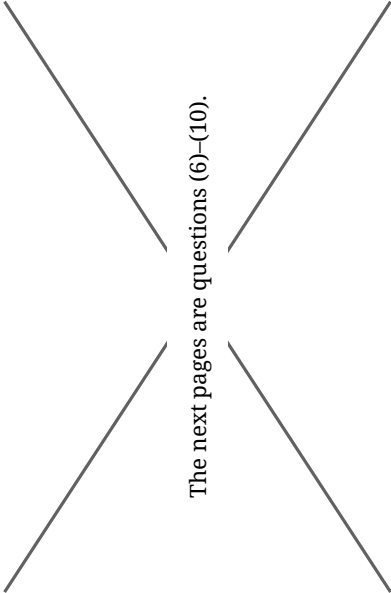
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

Dan Receipts (8 min)	
(1) ¥ 94,273	2
(2) ¥ 16,425	
(3) ¥ 48,790,612	
(4) ¥ 452,637,108	
(5) ¥ 813,054	
	1
(1) ¥ 5,238,619	(1) ¥ 406,391
(2) ¥ 210,768,349	(2) ¥ 67,205,318
(3) ¥ 850,329,741	(3) ¥ 189,370
(4) ¥ 98,472	(4) ¥ 198,326,045
(5) ¥ 6,785,932	(5) ¥ 57,640,239

Dan Receipts (8 min)

6		4	
(1) ₺	5 / 2,379	(1) ₺	390,825,746
(2) ₺	942,630,517	(2) ₺	35,812,960
(3) ₺	34,827,651	(3) ₺	6,954,018
(4) ₺	67,512,038	(4) ₺	743,609
(5) ₺	429,378,561	(5) ₺	142,690
7		5	
(1) ₺	12,750,468	(1) ₺	708,143,695
(2) ₺	789,123	(2) ₺	8,045,673
(3) ₺	93,512,460	(3) ₺	586,173
(4) ₺	36,109,824	(4) ₺	1,620,975
(5) ₺	98,407,613	(5) ₺	73,051,826

10		8
(1) ₺	837,624,150	(1) ₺ 26,381,907
(2) ₺	576,194,832	(2) ₺ 94,501,786
(3) ₺	467,230,895	(3) ₺ 275,403,986
(4) ₺	29,084,563	(4) ₺ 853,716
(5) ₺	29,408	(5) ₺ 345,960,127
9		9
(1) ₺		(1) ₺ 64,019,528
(2) ₺		(2) ₺ 453,290
(3) ₺		(3) ₺ 71,209
(4) ₺		(4) ₺ 573,941,280
(5) ₺		(5) ₺ 814,592,376



The next pages are questions (6)–(10).

Dan Receipts (8 min)

13		11	
(6)	₺ <u>7,354,618</u>	(6)	₺ <u>329,670,541</u>
(7)	₺ <u>206,413,987</u>	(7)	₺ <u>18,543</u>
(8)	₺ <u>346,805</u>	(8)	₺ <u>542,137</u>
(9)	₺ <u>41,239</u>	(9)	₺ <u>908,214,673</u>
(10)	₺ <u>56,189</u>	(10)	₺ <u>987,306</u>
14		12	
(6)	₺ <u>973,802</u>	(6)	₺ <u>85,703,194</u>
(7)	₺ <u>291,875</u>	(7)	₺ <u>9,140,362</u>
(8)	₺ <u>85,197,032</u>	(8)	₺ <u>10,257,946</u>
(9)	₺ <u>765,821</u>	(9)	₺ <u>1,053,492</u>
(10)	₺ <u>1,403,825</u>	(10)	₺ <u>874,523</u>

Dan Receipts (8 min)

17		15	
(6)	₡ <u>41,985</u>	(6)	₡ <u>236,451</u>
(7)	₡ <u>68,709,423</u>	(7)	₡ <u>483,962,051</u>
(8)	₡ <u>47,685,329</u>	(8)	₡ <u>651,920,487</u>
(9)	₡ <u>25,674,180</u>	(9)	₡ <u>850,437,619</u>
(10)	₡ <u>53,714,690</u>	(10)	₡ <u>479,136,258</u>
18		16	
(6)	₡ <u>706,198,254</u>	(6)	₡ <u>13,892,067</u>
(7)	₡ <u>71,584,206</u>	(7)	₡ <u>315,670,249</u>
(8)	₡ <u>79,640</u>	(8)	₡ <u>234,708,561</u>
(9)	₡ <u>574,102,368</u>	(9)	₡ <u>598,037</u>
(10)	₡ <u>26,578,034</u>	(10)	₡ <u>68,201,947</u>

The next pages are questions (11)–(15).		19		(6) ₺ 648,021,573
				(7) ₺ 837,165
				(8) ₺ 9,860,213
				(9) ₺ 62,341,905
				(10) ₺ 37,025,869
21		20		(6) ₺ 52,467,039
				(7) ₺ 54,382,790
				(8) ₺ 892,013,574
				(9) ₺ 39,820,756
				(10) ₺ 735,692,410
(11) ₺ 410,673,529				
(12) ₺ 56,492,307				
(13) ₺ 672,480				
(14) ₺ 601,482				
(15) ₺ 54,312				

Dan Receipts (8 min)

24		22	
(11) ₺	<u>8,394,601</u>	(11) ₺	<u>153,742,086</u>
(12) ₺	<u>809,534,126</u>	(12) ₺	<u>159,046</u>
(13) ₺	<u>93,456</u>	(13) ₺	<u>3,517,026</u>
(14) ₺	<u>879,034</u>	(14) ₺	<u>92,738,510</u>
(15) ₺	<u>178,546</u>	(15) ₺	<u>85,740,169</u>
25		23	
(11) ₺	<u>961,724</u>	(11) ₺	<u>61,438,597</u>
(12) ₺	<u>214,985,607</u>	(12) ₺	<u>43,710</u>
(13) ₺	<u>70,485,193</u>	(13) ₺	<u>51,078,263</u>
(14) ₺	<u>40,926,371</u>	(14) ₺	<u>34,012,895</u>
(15) ₺	<u>250,837,961</u>	(15) ₺	<u>69,325,081</u>

Dan Receipts (8 min)

28		26	
(11) ₺	<u>706,143,958</u>	(11) ₺	<u>230,419</u>
(12) ₺	<u>7,286,953</u>	(12) ₺	<u>62,730,814</u>
(13) ₺	<u>498,627,105</u>	(13) ₺	<u>807,152,369</u>
(14) ₺	<u>5,247,168</u>	(14) ₺	<u>169,045,782</u>
(15) ₺	<u>376,419,205</u>	(15) ₺	<u>920,483</u>
29		27	
(11) ₺	<u>89,501,273</u>	(11) ₺	<u>57,862</u>
(12) ₺	<u>802,379</u>	(12) ₺	<u>95,618,432</u>
(13) ₺	<u>14,369,872</u>	(13) ₺	<u>206,948</u>
(14) ₺	<u>23,651</u>	(14) ₺	<u>751,489,306</u>
(15) ₺	<u>4,503,127</u>	(15) ₺	<u>742,091,658</u>

31		30
(16) ₺	<u>4,057,832</u>	(11) ₺ <u>37,825,640</u>
(17) ₺	<u>59,817,462</u>	(12) ₺ <u>378,061,495</u>
(18) ₺	<u>923,765</u>	(13) ₺ <u>932,840,517</u>
(19) ₺	<u>5,137,298</u>	(14) ₺ <u>683,594,207</u>
(20) ₺	<u>197,534</u>	(15) ₺ <u>23,684,790</u>
32		The next pages are questions (16)–(20).
(16) ₺	<u>926,045</u>	
(17) ₺	<u>452,870</u>	
(18) ₺	<u>81,270,459</u>	
(19) ₺	<u>109,724,835</u>	
(20) ₺	<u>72,861</u>	

Dan Receipts (8 min)

33	
(16) ₺	392,416
(17) ₺	85,617,092
(18) ₺	58,034,971
(19) ₺	64,513,079
(20) ₺	51,698,704
34	
(16) ₺	508,714,293
(17) ₺	6,903,548
(18) ₺	67,258
(19) ₺	61,357
(20) ₺	907,351
35	
(16) ₺	85,496,317
(17) ₺	372,954
(18) ₺	7,816,520
(19) ₺	481,305,962
(20) ₺	4,510,269
36	
(16) ₺	90,548,763
(17) ₺	138,054,269
(18) ₺	623,498,075
(19) ₺	271,694
(20) ₺	895,063,742

Dan Receipts (8 min)

39		37	
(16) ₺	<u>61,280,374</u>	(16) ₺	<u>29,150</u>
(17) ₺	<u>970,541,236</u>	(17) ₺	<u>36,718</u>
(18) ₺	<u>42,569,103</u>	(18) ₺	<u>105,749,632</u>
(19) ₺	<u>958,062,734</u>	(19) ₺	<u>806,542</u>
(20) ₺	<u>63,710,428</u>	(20) ₺	<u>278,431,096</u>
40		38	
(16) ₺	<u>742,165,908</u>	(16) ₺	<u>153,608,729</u>
(17) ₺	<u>24,789,301</u>	(17) ₺	<u>791,265,083</u>
(18) ₺	<u>294,601,387</u>	(18) ₺	<u>380,416</u>
(19) ₺	<u>37,598,120</u>	(19) ₺	<u>76,489,013</u>
(20) ₺	<u>306,824,975</u>	(20) ₺	<u>49,385,210</u>

Answers Dan

Multiplication

1	0.001	15	12,135,765,160	29	¥45,319
2	60,155,033,646	16	10,305,730,890	30	¥11,200,293,650
3	145.306	17	13,837,061,269	31	¥159,296
4	61,868,085.275	18	77,027,554,415	32	¥4,875,257,630
5	965,103,281.1	19	7.623	33	¥17,714
6	51,195,812,779	20	35,666,717	34	¥1,690,843,672
7	26,776,383,480	21	¥49,667,121,378	35	¥8,091,020,868
8	29,025,045,365	22	¥132,361	36	¥6,064,255,920
9	13,018,958,142	23	¥3,350,168	37	¥61,734,700,430
10	58,374.166	24	¥2,000,298,926	38	¥21,751,971,129
11	479.967	25	¥10,846,369,645	39	¥77,101
12	64,563,010,932	26	¥41,254,304,496	40	¥41,436,732,738
13	3.516	27	¥34,743,551,920		
14	14,792,668.326	28	¥631,364		

Division

1	21,398	9	52,419	17	408,179	25	¥34,069	33	¥80,572
2	30.462	10	83.541	18	50.432	26	¥92,346	34	¥7,593
3	96,724	11	98,361	19	14.275	27	¥5,108	35	¥61,748
4	190.583	12	63,210	20	36,297	28	¥82,971	36	¥13,849
5	76,980	13	76.804	21	¥84,352	29	¥78,125	37	¥912,086
6	25,786	14	2,576	22	¥49,607	30	¥269,573	38	¥20,637
7	6,307	15	815.93	23	¥61,704	31	¥15,720	39	¥40,625
8	41.705	16	95.048	24	¥18,350	32	¥56,394	40	¥34,981

Sums

1	¥13,192,685,217	8	¥18,616,459,158	15	¥12,942,902,511
2	¥16,524,530,586	9	-¥3,555,685,536	16	¥10,219,720,617
3	¥11,414,925,159	10	¥10,036,477,008	17	¥16,593,715,100
4	¥9,537,929,262	11	¥16,948,819,233	18	¥15,709,210,614
5	¥3,557,280,348	12	¥3,970,130,926	19	-¥5,501,585,958
6	¥14,579,370,783	13	¥17,724,646,332	20	¥13,548,162,753
7	¥12,912,125,170	14	¥12,076,952,073		

Receipts

1	¥2,045,997,156	6	¥1,844,559,524	11	¥1,468,969,689	16	¥1,647,219,827
2	¥1,936,418,273	7	¥1,211,010,651	12	¥1,625,714,869	17	¥2,077,850,533
3	¥1,777,896,115	8	¥1,932,611,724	13	¥2,379,043,229	18	¥1,214,911,586
4	¥1,360,927,630	9	¥2,463,050,090	14	¥1,778,558,406	19	¥1,733,970,634
5	¥1,826,801,826	10	¥1,683,671,051	15	¥1,553,755,332	20	¥1,650,802,170