

Soroban Technology Lab

Dan Multiplication (10 min)

No.		Name	
Date		Score	

(Note) Round to 3 decimal places

1	$0.01647 \times 0.064975 =$
2	$0.731908 \times 0.12364 =$
3	$9,632.15 \times 29.017 =$
4	$285,903 \times 82,150 =$
5	$621,374 \times 49,738 =$
6	$385,749 \times 35,076 =$
7	$5,803,942 \times 5,829 =$
8	$824,670 \times 7,805.3 =$
9	$485,061 \times 68,142 =$
10	$175,296 \times 93.461 =$
11	$62,508 \times 214,875 =$
12	$0.506487 \times 0.43726 =$
13	$753,109 \times 0.05267 =$
14	$937,861 \times 69,582 =$
15	$869,273 \times 90,143 =$
16	$2,179,435 \times 1,950 =$
17	$194,270 \times 8.2614 =$
18	$341,092 \times 39,708 =$
19	$0.056834 \times 7,384.1 =$
20	$45.1286 \times 5.3069 =$

(Note) Round to the nearest yen

21	$¥ 94,872 \times 10.9725 =$
22	$¥ 241,368 \times 0.60213 =$
23	$¥ 783,106 \times 2,563.8 =$
24	$¥ 591,264 \times 0.08479 =$
25	$¥ 435,917 \times 79,640 =$
26	$¥ 678,029 \times 38,147 =$
27	$¥ 347,250 \times 98,534 =$
28	$¥ 8,360,295 \times 5,291 =$
29	$¥ 908,541 \times 80,762 =$
30	$¥ 175,603 \times 0.43516 =$
31	$¥ 5,640,271 \times 3,198 =$
32	$¥ 361,859 \times 16,457 =$
33	$¥ 649,038 \times 0.09345 =$
34	$¥ 285,906 \times 27,301 =$
35	$¥ 987,104 \times 74,920 =$
36	$¥ 79,402 \times 0.460789 =$
37	$¥ 412,563 \times 0.61352 =$
38	$¥ 189,357 \times 965.83 =$
39	$¥ 314,270 \times 52,876 =$
40	$¥ 876,325 \times 8,120.4 =$

Soroban Technology Lab

Dan Division (10 min)

No.		Name	
Date		Score	

(Note) Round to 3 decimal places

1	$1,436,529,324 \div 15,306 =$
2	$3,211,984.358 \div 8,901 =$
3	$2,341,610,040 \div 43,267 =$
4	$6,438,734.08 \div 9,786.5 =$
5	$675,067,480 \div 645,380 =$
6	$2,796,171,696 \div 30,192 =$
7	$5,668,921,439 \div 74,219 =$
8	$0.8791115 \div 0.01784 =$
9	$5.39039973 \div 0.26753 =$
10	$462,262,514 \div 5,294.8 =$
11	$0.72587619 \div 0.04568 =$
12	$497,655,711 \div 7,295.4 =$
13	$3,284,451,166 \div 83,197 =$
14	$896,711,536 \div 20,846 =$
15	$1,691,361,679 \div 61,279 =$
16	$333,519.4635 \div 470.2 =$
17	$3,588,647.32 \div 376,840 =$
18	$5,129,668,947 \div 93,561 =$
19	$832,938,400 \div 10,325 =$
20	$25.66790769 \div 0.58913 =$

(Note) Round to the nearest yen

21	$\yen 16,876 \div 0.80526 =$
22	$\yen 67,918,752 \div 2,143.9 =$
23	$\yen 6,882 \div 0.09375 =$
24	$\yen 2,478,379,988 \div 39,862 =$
25	$\yen 5,396,581,575 \div 57,981 =$
26	$\yen 30,623,466 \div 702.68 =$
27	$\yen 1,279,842,822 \div 6,714 =$
28	$\yen 406,184,220 \div 14,580 =$
29	$\yen 47,555 \div 0.92347 =$
30	$\yen 3,474,945,686 \div 410,653 =$
31	$\yen 12,560 \div 0.0256 =$
32	$\yen 1,134,357,220 \div 57,340 =$
33	$\yen 58,735 \div 0.86259 =$
34	$\yen 11,491 \div 3.69704 =$
35	$\yen 4,339,113,332 \div 45,901 =$
36	$\yen 780,351,558 \div 13,867 =$
37	$\yen 2,648,197,640 \div 93,148 =$
38	$\yen 68,325 \div 0.78125 =$
39	$\yen 263,182 \div 20.793 =$
40	$\yen 4,859,920,068 \div 68,412 =$

Soroban Technology Lab

Dan Sums (8 min)

No.		Name	
Date		Score	

No.	1	2	3	4	5
1	¥ 678,531	¥ 8,670,125	¥ 6,537,182	¥ 2,896,347	¥ 941,035,862
2	1,964,307,852	2,716,945,083	2,604,971,853	36,209,814	394,256
3	506,824,913	190,628,435	-857,023,694	423,751	217,089
4	49,175,206	9,302,847,561	-451,862	537,802	-198,435,670
5	950,728	34,296,718	740,328,916	613,749,058	-7,261,358
6	7,138,042,695	581,390	947,208	5,167,894,320	4,920,137
7	475,139,068	7,204,539	9,481,236,750	75,910,462	80,652,743
8	3,921,647	61,457,982	39,614,075	1,320,547,689	6,819,573,402
9	2,487,310	324,670	-13,795,620	8,061,945	-7,032,841,695
10	80,563,294	473,019,856	-5,380,491	901,658,273	-56,708,419
Sum					

No.	6	7	8	9	10
1	¥ 291,385	¥ 5,842,703,169	¥ 8,051,936,724	¥ 576,219,043	¥ 85,420,719
2	179,453,026	7,921,830,546	2,457,108	10,956,384	596,834,021
3	58,370,412	-396,187	529,036	7,145,892,630	9,068,572
4	60,429,157	-8,475,032	715,698,342	-9,462,017,358	310,654,987
5	3,086,412	259,340	30,542,976	-89,175,206	276,143
6	6,507,938,241	60,871,925	1,894,306,527	427,513	309,582
7	726,153,890	96,103,472	9,753,281	8,760,194	1,823,467,950
8	9,815,742,603	-104,568,723	487,021,963	-297,834,605	4,701,638
9	4,567,938	-5,647,891	860,415	-3,108,429	71,295,364
10	804,769	413,982,605	63,174,890	683,752	6,037,148,295
Sum					

Dan Sums (8 min)

No.	11	12	13	14	15
1	¥ 2,860,493,751	¥ 68,142,930	¥ 573,904	¥ 354,210,976	¥ 7,385,694,102
2	975,126	7,958,601	674,059,283	4,081,693,257	94,857,023
3	8,237,490	8,214,096,735	901,824,536	8,726,940	-690,871
4	854,961	738,564	-179,265	5,943,102,687	-10,472,965
5	59,012,837	563,072	-7,518,634	6,043,158	3,976,208,451
6	104,368,259	1,809,675,324	8,423,705,961	375,814	2,364,970
7	4,923,706,815	381,590,247	30,961,872	12,698,503	835,216
8	36,142,078	2,317,459	4,159,680,327	765,324,091	-1,582,364
9	7,309,564	46,809,213	-16,237,048	987,425	-457,019,638
10	672,580,143	970,421,586	-2,498,150	20,831,769	508,123,749
Sum					

No.	16	17	18	19	20
1	¥ 1,309,782	¥ 794,563,218	¥ 52,143,089	¥ 3,875,102	¥ 58,142,306
2	145,396	2,163,905,847	17,682,390	84,752,936	1,430,597
3	9,218,705	82,049,675	564,179	-4,295,830,617	79,026,851
4	3,085,461,972	-207,138	6,057,821	-7,968,143	319,025
5	560,293,148	-6,379,804	4,815,630	958,047,216	814,762,390
6	46,029,573	18,692,045	2,508,946,713	20,163,879	437,685
7	756,834	9,510,723	397,462	149,320,658	2,684,739
8	6,354,872,019	5,920,731,486	743,629,508	594,320	7,365,908,142
9	813,947,260	-426,351	890,471,325	-6,732,109,485	906,875,214
10	27,680,451	-347,158,960	9,021,738,654	-451,067	6,280,591,473
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) ₪ 54,693,102 (2) ₪ 51,479 (3) ₪ 836,591 (4) ₪ 45,132,780 (5) ₪ 5,780,691	2
(1) ₪ 609,548,317 (2) ₪ 365,108 (3) ₪ 90,457,268 (4) ₪ 71,093,854 (5) ₪ 956,413	3
(1) ₪ 940,783 (2) ₪ 174,526 (3) ₪ 381,627,905 (4) ₪ 86,915 (5) ₪ 30,475,289	1

Dan Receipts (8 min)

6		4	
(1) ₺	218,437	(1) ₺	846,071,952
(2) ₺	83,014,765	(2) ₺	815,639,427
(3) ₺	136,049,578	(3) ₺	49,186,305
(4) ₺	196,730,425	(4) ₺	760,825,349
(5) ₺	827,143,065	(5) ₺	76,082,549
7		5	
(1) ₺	18,729,065	(1) ₺	5,306,128
(2) ₺	726,405,893	(2) ₺	4,286,309
(3) ₺	291,730	(3) ₺	72,814
(4) ₺	502,468,197	(4) ₺	201,764
(5) ₺	369,817,250	(5) ₺	25,974

10		8
(1) ₺	35,874	(1) ₺ 423,807,619
(2) ₺	207,948,651	(2) ₺ 91,753,280
(3) ₺	4,785,692	(3) ₺ 62,503,149
(4) ₺	9,314,602	(4) ₺ 37,950,281
(5) ₺	42,301,897	(5) ₺ 183,796,425
The next pages are questions (6)–(10).		9
		(1) ₺ 71,452,936
		(2) ₺ 60,827,934
		(3) ₺ 518,374,026
		(4) ₺ 695,378
		(5) ₺ 634,108

Dan Receipts (8 min)

13		11	
(6)	₺ <u>31,065,798</u>	(6)	₺ <u>5,791,804</u>
(7)	₺ <u>164,985,723</u>	(7)	₺ <u>82,593,046</u>
(8)	₺ <u>50,236</u>	(8)	₺ <u>513,074,692</u>
(9)	₺ <u>1,375,240</u>	(9)	₺ <u>958,032</u>
(10)	₺ <u>46,718,392</u>	(10)	₺ <u>963,724</u>
14		12	
(6)	₺ <u>90,453</u>	(6)	₺ <u>653,042</u>
(7)	₺ <u>948,167,350</u>	(7)	₺ <u>479,561</u>
(8)	₺ <u>975,084,163</u>	(8)	₺ <u>39,528,170</u>
(9)	₺ <u>81,629</u>	(9)	₺ <u>294,703,568</u>
(10)	₺ <u>8,042,539</u>	(10)	₺ <u>780,452,139</u>

Dan Receipts (8 min)

17		15	
(6)	₹ <u>682,541,973</u>	(6)	₹ <u>182,549</u>
(7)	₹ <u>35,217,809</u>	(7)	₹ <u>70,894</u>
(8)	₹ <u>7,809,324</u>	(8)	₹ <u>204,318,976</u>
(9)	₹ <u>18,430,756</u>	(9)	₹ <u>309,865,241</u>
(10)	₹ <u>31,248,950</u>	(10)	₹ <u>57,680</u>
18		16	
(6)	₹ <u>768,254,019</u>	(6)	₹ <u>20,978,631</u>
(7)	₹ <u>1,345,726</u>	(7)	₹ <u>509,864,132</u>
(8)	₹ <u>82,976,501</u>	(8)	₹ <u>452,709</u>
(9)	₹ <u>765,024,183</u>	(9)	₹ <u>47,183,920</u>
(10)	₹ <u>526,018</u>	(10)	₹ <u>14,605,397</u>

The next pages are questions (11)–(15).		19	(6) ₺ 8 / 3,406,297
			(7) ₺ 26,031,475
			(8) ₺ 68,293,415
			(9) ₺ 53,216,897
			(10) ₺ 273,890,146
		20	
			(6) ₺ 47,825,360
			(7) ₺ 602,918
			(8) ₺ 167,843
			(9) ₺ 697,405
			(10) ₺ 659,374,201
		21	
			(11) ₺ 80,617,495
			(12) ₺ 9,368,517
			(13) ₺ 548,069
			(14) ₺ 8,073,541
			(15) ₺ 5,412,630

Dan Receipts (8 min)

24		22	
(11) ₺	<u>241,758,963</u>	(11) ₺	<u>30,142</u>
(12) ₺	<u>642,739,018</u>	(12) ₺	<u>283,609</u>
(13) ₺	<u>805,376,249</u>	(13) ₺	<u>26,095,814</u>
(14) ₺	<u>643,285</u>	(14) ₺	<u>129,750</u>
(15) ₺	<u>769,054</u>	(15) ₺	<u>654,029</u>
25		23	
(11) ₺	<u>296,075</u>	(11) ₺	<u>78,305,294</u>
(12) ₺	<u>31,905,286</u>	(12) ₺	<u>420,597</u>
(13) ₺	<u>431,208,795</u>	(13) ₺	<u>61,732</u>
(14) ₺	<u>61,720,359</u>	(14) ₺	<u>27,984,031</u>
(15) ₺	<u>86,190,247</u>	(15) ₺	<u>41,238,576</u>

Dan Receipts (8 min)

28		26	
(11) ₺	<u>537,869,421</u>	(11) ₺	<u>135,682</u>
(12) ₺	<u>405,128,673</u>	(12) ₺	<u>57,246,930</u>
(13) ₺	<u>97,630,584</u>	(13) ₺	<u>312,946,850</u>
(14) ₺	<u>34,867,912</u>	(14) ₺	<u>403,295,768</u>
(15) ₺	<u>397,508,412</u>	(15) ₺	<u>279,846,503</u>
29		27	
(11) ₺	<u>956,083,147</u>	(11) ₺	<u>62,941,730</u>
(12) ₺	<u>73,148</u>	(12) ₺	<u>10,894,365</u>
(13) ₺	<u>79,283,106</u>	(13) ₺	<u>3,719,648</u>
(14) ₺	<u>715,408,693</u>	(14) ₺	<u>58,406</u>
(15) ₺	<u>852,971,360</u>	(15) ₺	<u>10,632,758</u>

31		30
(16) ₺	512,894,036	(11) ₺ 4,512,809
(17) ₺	40,396,812	(12) ₺ 896,051,724
(18) ₺	380,157	(13) ₺ 152,473
(19) ₺	659,074,813	(14) ₺ 946,532,107
(20) ₺	368,751	(15) ₺ 93,184
32		The next pages are questions (16)–(20).
(16) ₺	105,483,762	
(17) ₺	389,104,265	
(18) ₺	809,547,623	
(19) ₺	2,148,360	
(20) ₺	52,903	

Dan Receipts (8 min)

35		33	
(16) ₺	<u>41,630,798</u>	(16) ₺	<u>7,518,620</u>
(17) ₺	<u>768,320</u>	(17) ₺	<u>23,496</u>
(18) ₺	<u>238,675,490</u>	(18) ₺	<u>714,385</u>
(19) ₺	<u>985,062,731</u>	(19) ₺	<u>73,651,248</u>
(20) ₺	<u>69,705,824</u>	(20) ₺	<u>408,936,251</u>
36		34	
(16) ₺	<u>978,342</u>	(16) ₺	<u>325,917</u>
(17) ₺	<u>1,627,954</u>	(17) ₺	<u>954,187,203</u>
(18) ₺	<u>6,409,213</u>	(18) ₺	<u>52,967,108</u>
(19) ₺	<u>861,723,509</u>	(19) ₺	<u>37,694</u>
(20) ₺	<u>816,043,792</u>	(20) ₺	<u>4,518,670</u>

Dan Receipts (8 min)

39		37	
(16) ₺	<u>20,739,164</u>	(16) ₺	<u>86,495</u>
(17) ₺	<u>68,512,037</u>	(17) ₺	<u>75,089,143</u>
(18) ₺	<u>64,870,921</u>	(18) ₺	<u>98,756</u>
(19) ₺	<u>16,927,450</u>	(19) ₺	<u>40,316,892</u>
(20) ₺	<u>20,487,139</u>	(20) ₺	<u>75,280,634</u>
40		38	
(16) ₺	<u>38,041,256</u>	(16) ₺	<u>689,251,073</u>
(17) ₺	<u>849,675</u>	(17) ₺	<u>517,930,628</u>
(18) ₺	<u>15,026,834</u>	(18) ₺	<u>497,153,062</u>
(19) ₺	<u>285,043</u>	(19) ₺	<u>541,987</u>
(20) ₺	<u>983,624,015</u>	(20) ₺	<u>159,467</u>

Answers Dan

Multiplication

1	<u>0.001</u>	15	<u>78,358,876,039</u>	29	<u>¥73,375,588,242</u>
2	<u>0.090</u>	16	<u>4,249,898,250</u>	30	<u>¥76,415</u>
3	<u>279,496,097</u>	17	<u>1,604,942,178</u>	31	<u>¥18,037,586,658</u>
4	<u>23,486,931,450</u>	18	<u>13,544,081,136</u>	32	<u>¥5,955,113,563</u>
5	<u>30,905,900,012</u>	19	<u>419,668</u>	33	<u>¥60,653</u>
6	<u>13,530,531,924</u>	20	<u>239,493</u>	34	<u>¥7,805,519,706</u>
7	<u>33,831,177,918</u>	21	<u>¥1,040,983</u>	35	<u>¥73,953,831,680</u>
8	<u>6,436,796,751</u>	22	<u>¥145,335</u>	36	<u>¥36,588</u>
9	<u>33,053,026,662</u>	23	<u>¥2,007,727,163</u>	37	<u>¥253,116</u>
10	<u>16,383,339,456</u>	24	<u>¥50,133</u>	38	<u>¥182,886,671</u>
11	<u>13,431,406,500</u>	25	<u>¥34,716,429,880</u>	39	<u>¥16,617,340,520</u>
12	<u>0.221</u>	26	<u>¥25,864,772,263</u>	40	<u>¥7,116,109,530</u>
13	<u>39,666.251</u>	27	<u>¥34,215,931,500</u>		
14	<u>65,258,244,102</u>	28	<u>¥44,234,320,845</u>		

Division

1	<u>93,854</u>	9	<u>20.149</u>	17	<u>9.523</u>	25	<u>¥93,075</u>	33	<u>¥68,091</u>
2	<u>360.857</u>	10	<u>87,305</u>	18	<u>54,827</u>	26	<u>¥43,581</u>	34	<u>¥3,108</u>
3	<u>54,120</u>	11	<u>15,890</u>	19	<u>80,672</u>	27	<u>¥190,623</u>	35	<u>¥94,532</u>
4	<u>657.92</u>	12	<u>68,215</u>	20	<u>43,569</u>	28	<u>¥27,859</u>	36	<u>¥56,274</u>
5	<u>1,046</u>	13	<u>39,478</u>	21	<u>¥20,957</u>	29	<u>¥51,496</u>	37	<u>¥28,430</u>
6	<u>92,613</u>	14	<u>43,016</u>	22	<u>¥31,680</u>	30	<u>¥8,462</u>	38	<u>¥87,456</u>
7	<u>76,381</u>	15	<u>27,601</u>	23	<u>¥73,408</u>	31	<u>¥490,625</u>	39	<u>¥12,657</u>
8	<u>49.278</u>	16	<u>709.314</u>	24	<u>¥62,174</u>	32	<u>¥19,783</u>	40	<u>¥71,039</u>

Sums

1	<u>¥10,222,091,244</u>	8	<u>¥11,256,281,262</u>	15	<u>¥11,498,317,673</u>
2	<u>¥12,795,976,359</u>	9	<u>-¥2,109,196,082</u>	16	<u>¥10,899,715,140</u>
3	<u>¥11,996,984,317</u>	10	<u>¥8,939,177,271</u>	17	<u>¥8,635,280,741</u>
4	<u>¥8,127,889,461</u>	11	<u>¥8,673,681,024</u>	18	<u>¥13,246,446,771</u>
5	<u>¥551,546,347</u>	12	<u>¥11,502,313,731</u>	19	<u>-¥9,819,605,201</u>
6	<u>¥17,356,837,833</u>	13	<u>¥14,164,372,786</u>	20	<u>¥15,510,178,422</u>
7	<u>¥14,216,663,224</u>	14	<u>¥11,193,994,620</u>		

Receipts

1	<u>¥2,030,804,213</u>	6	<u>¥2,370,789,926</u>	11	<u>¥1,962,550,758</u>	16	<u>¥1,416,949,463</u>
2	<u>¥1,990,467,372</u>	7	<u>¥1,769,358,634</u>	12	<u>¥2,054,111,867</u>	17	<u>¥2,048,489,533</u>
3	<u>¥1,244,185,058</u>	8	<u>¥1,891,756,029</u>	13	<u>¥1,757,023,320</u>	18	<u>¥1,685,843,549</u>
4	<u>¥1,624,499,545</u>	9	<u>¥1,491,536,871</u>	14	<u>¥2,198,713,852</u>	19	<u>¥2,639,769,727</u>
5	<u>¥1,537,013,661</u>	10	<u>¥1,815,879,186</u>	15	<u>¥1,675,316,753</u>	20	<u>¥2,379,177,446</u>