Soroban Technology Lab

Dan Multiplication (10 min)

No.		Name	
Date		Score	

(Note) Round to 3 decimal places

1	526.143 × 23.578 =
2	84.3576 × 0.46192 =
3	3,126.980 × 342.1 =
4	458.739 × 10.879 =
5	620.798 × 80.617 =
6	187.062 × 59.620 =
7	706.245 × 64.713 =
8	0.941307 × 903.54 =
9	219.354 × 0.02485 =
10	0.08951 × 78,935.6 =
11	0.514796 × 0.04175 =
12	156.083 × 62.390 =
13	0.093728 × 1.8746 =
14	6,053.289 × 3.694 =
15	347.805 × 71.502 =
16	439.120 × 9,053.8 =
17	82,479.1 × 50.273 =
18	256.037 × 86.491 =
19	746.512 × 42.869 =
20	98.164 × 0.213857 =

(Note) Round to the nearest yen

21	¥ 148.630 × 76.498 =
22	¥ 617.503 × 0.93516 =
23	¥ 2,750.691 × 6.754 =
24	¥ 768.235 × 0.08253 =
25	¥ 368.514 × 51.782 =
26	¥ 80.942 × 308.691 =
27	¥ 451.209 × 0.10479 =
28	¥ 579.428 × 21.430 =
29	¥ 913.807 × 80.327 =
30	¥ 729.436 × 42.965 =
31	¥ 318.572 × 78.543 =
32	¥ 296.810 × 95.714 =
33	¥ 674.205 × 546.27 =
34	¥ 127.643 × 0.16402 =
35	¥ 43.618 × 615.890 =
36	¥ 827.914 × 23.986 =
37	¥ 763.059 × 41.308 =
38	¥ 530.986 × 326.91 =
39	¥ 942.057 × 0.83075 =
40	¥ 3,048.951 × 0.0729 =

Soroban Technology Lab

Dan Division (10 min)

No.		Name	
Date		Score	

(Note) Round to 3 decimal places

1	4,516,680,964 ÷ 504,319 =
2	1,093,748,980 ÷ 20,897 =
3	6,858,156,426 ÷ 92,654 =
4	1,203,979.81 ÷ 3,650 =
5	67.881551 19 ÷ 0.73248 =
6	419,425.2915 ÷ 6.9081 =
7	4,283,028,716 ÷ 49,172 =
8	0.70332498 ÷ 0.02376 =
9	86,770,101 ÷ 1,864.5 =
10	1,258,611,966 ÷ 87,513 =
11	4,479,434,304 ÷ 562,178 =
12	7,053,652,188 ÷ 72,314 =
13	569,177,550 ÷ 23,910 =
14	2,070,058,986 ÷ 43,506 =
15	510,237 ÷ 9,578.3 =
16	1,605,450,488 ÷ 19,652 =
17	27,522.02752 ÷ 0.8047 =
18	189,822,924.9 ÷ 30,861 =
19	0.6538605 ÷ 0.04729 =
20	2,805.560035 ÷ 68.945 =

(Note) Round to the nearest yen

21	¥ 4,142,067,072 ÷ 54,912 =
22	¥ 9,074 ÷ 0.09843 =
23	¥ 86,687,552 ÷ 1,052.8 =
24	¥ 2,558,955,035 ÷ 39,487 =
25	¥ 22,153,620 ÷ 71.25 =
26	¥ 548,435,448 ÷ 205,176 =
27	¥ 4,039,880,172 ÷ 98,601 =
28	¥ 10,510 ÷ 0.67354 =
29	¥ 34,300 ÷ 0.46379 =
30	¥ 4,271,930,840 ÷ 82,360 =
31	¥ 24,332 ÷ 0.0352 =
32	¥ 816,234,048 ÷ 18,624 =
33	¥ 7,223,101,480 ÷ 75,160 =
34	¥ 6,904 ÷ 0.64021 =
35	¥ 5,544 ÷ 0.984375 =
36	¥ 3,147,845,118 ÷ 89,463 =
37	¥ 17,715,410 ÷ 210.96 =
38	¥ 1,139,427,153 ÷ 42,597 =
39	¥ 455,148,655 ÷ 5,731.8 =
40	¥ 1,618,090,479 ÷ 30,879 =

Soroban Technology Lab

Dan Sums (8 min)

No.		Name	
Date		Score	

No.	1	2	3	4	5
1	¥ 6,059,728	¥ 50,293,184	¥ 148,729,530	¥ 2,463,178,095	¥ 20,178,963
2	316,204	6,418,537	653,018	819,325,640	387,219,650
3	1,965,783	395,672	9,021,478,653	402,718	1,374,502
4	48,653,910	2,387,164,950	−539,764,102	654,987	−421,083
5	412,379	1,720,465	−2,849,610	721,089,463	−9,245,617
6	574,381,062	639,854,120	4,098,275	5,364,017	493,856
7	8,902,173,654	925,183,706	70,965,341	1,284,957,306	8,293,057,164
8	715,240,896	48,072,691	386,729	30,579,162	−7,415,960,328
9	93,807,425	7,504,931,268	−8,493,510,267	97,230,851	−58,609,437
10	2,160,498,537	807,349	−65,237,841	2,896,534	604,817,295
Sum					

No.	6	7	8	9	10
1	¥ 45,839,106	¥ 190,468	¥ 160,392	¥ 7,324,180	¥ 29,051,734
2	73,120,954	456,207,381	90,782,531	657,018	845,326
3	706,842	−29,031,574	5,372,869,014	176,902	9,560,321,874
4	902,174,538	−583,791	401,598,627	−43,695,127	4,618,927
5	368,791	7,164,850,329	354,876	−8,301,957,462	709,253
6	564,079,132	87,925,064	25,730,914	9,568,314	603,198,475
7	6,490,813,257	3,612,750	769,341,508	32,046,895	5,240,681
8	1,257,684	6,540,389,217	6,983,027,145	−258,730,946	82,367,019
9	8,695,320	−908,476,132	8,415,629	−920,413,578	1,258,936,407
10	2,157,483,069	−2,854,693	4,673,280	5,174,802,639	371,504,968
Sum					

Dan Sums (8 min)

No.	11	12	13	14	15
1	¥ 53,126,094	¥ 642,953	¥ 5,723,091,468	¥ 257,083,416	¥ 801,659,372
2	79,502,816	793,186	306,785,192	824,901	9,728,514
3	2,875,043	51,280,467	648,571	5,071,263,498	43,201,689
4	1,034,598,762	4,703,952,618	−3,659,017,248	45,308,672	−670,518,934
5	756,321	869,421,530	−1,925,034	3,195,726	−482,670
6	405,678,193	2,158,407	8,306,591	9,368,504	2,917,635,048
7	8,247,901	7,635,089	273,486	738,450,219	7,158,340,296
8	934,685	3,294,508,761	−92,148,307	90,716,345	5,923,467
9	3,561,480,279	16,379,240	−74,529,630	1,906,542,837	−156,803
10	617,029,438	920,814,375	417,960,825	679,182	−34,097,125
Sum					

No.	16	17	18	19	20
1	¥ 428,719	¥ 9,201,836,745	¥ 5,346,912	¥ 450,319,687	¥ 68,945,137
2	7,541,308	764,980	197,504	560,243	7,396,045
3	654,920,837	24,956,371	9,568,214,037	279,485	3,087,612
4	3,845,679,120	−1,689,024,753	3,712,546,890	−8,302,154,679	9,720,418,536
5	506,492,713	−890,761,532	89,150,376	−781,046,532	285,961,307
6	6,189,730,524	3,078,921	463,082	2,074,583,916	247,869
7	2,307,695	5,382,194	20,785,439	18,796,023	479,630,251
8	813,062	−67,423,058	804,671,253	−6,971,452	8,596,402,173
9	90,168,453	−510,426	7,928,165	−97,632,801	51,823,490
10	18,254,976	436,195,807	643,809,721	3,805,194	154,208
Sum					

Soroban Technology Lab

Dan Receipts (8 min)

No.		Name	
Date		Score	

1		11	
2		12	
3		13	
4		14	
5		15	
6		16	
7		17	
8		18	
9		19	
10		20	

Dan

Receipts

(8 min)

1

(1) ₹ 743,291,680

(2) ₹ 542,978,301

(3) ₹ 243,980

(4) ₹ 194,835

(5) ₹ 96,430,512

2

(1) ₹ 76,425,108

(2) ₹ 51,496

(3) ₹ 940,658,231

(4) ₹ 28,340,651

(5) ₹ 42,893

3

(1) ₹ 931,247

(2) ₹ 890,271

(3) ₹ 708,962,153

(4) ₹ 403,612,598

(5) ₹ 149,258,036

Dan Receipts (8 min)

4

(1) ¥ 50,739

(2) ¥ 978,516,034

(3) ¥ 43,279

(4) ¥ 860,521,347

(5) ¥ 537,109

5

(1) ¥ 165,029,847

(2) ¥ 394,602,857

(3) ¥ 69,085,714

(4) ¥ 907,821

(5) ¥ 7,821,940

6

(1) ¥ 30,164,952

(2) ¥ 458,273

(3) ¥ 375,460,128

(4) ¥ 78,936

(5) ¥ 678,153

7

(1) ¥ 2,513,078

(2) ¥ 7,164,830

(3) ¥ 84,316,059

(4) ¥ 694,017,285

(5) ¥ 85,012,647

8

(1) ₹ 407,392,685

(2) ₹ 16,349,728

(3) ₹ 734,682

(4) ₹ 7,465,310

(5) ₹ 32,769,401

9

(1) ₹ 648,913

(2) ₹ 20,793,516

(3) ₹ 1,597,403

(4) ₹ 52,896,703

(5) ₹ 768,905,324

10

(1) ₹ 84,706,521

(2) ₹ 61,085,942

(3) ₹ 52,109,867

(4) ₹ 31,759,042

(5) ₹ 210,396,785

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

Dan Receipts (8 min)

11

(6) ₹ 35,627,894

(7) ₹ 60,831,259

(8) ₹ 956,824,071

(9) ₹ 625,473

(10) ₹ 764,189

12

(6) ₹ 82,073,516

(7) ₹ 806,349,517

(8) ₹ 432,710,965

(9) ₹ 364,902,851

(10) ₹ 40,831,697

13

(6) ₹ 512,409

(7) ₹ 9,024,638

(8) ₹ 7,985,641

(9) ₹ 8,346,027

(10) ₹ 397,142,056

14

(6) ₹ 157,860

(7) ₹ 743,261,589

(8) ₹ 594,702

(9) ₹ 729,460,531

(10) ₹ 82,093,417

Dan Receipts (8 min)

15

(6) ¥ 970,426,531

(7) ¥ 20,697

(8) ¥ 20,458,376

(9) ¥ 43,619

(10) ¥ 58,036

16

(6) ¥ 38,069

(7) ¥ 197,084

(8) ¥ 361,859

(9) ¥ 276,830

(10) ¥ 538,420,971

17

(6) ¥ 697,304,152

(7) ¥ 38,765,192

(8) ¥ 61,043,297

(9) ¥ 10,592,478

(10) ¥ 602,518

18

(6) ¥ 706,819,245

(7) ¥ 71,586,403

(8) ¥ 178,625,430

(9) ¥ 506,814,392

(10) ¥ 9,357,682

Dan Receipts (8 min)

19

(6) ₹ 4,780,312

(7) ₹ 402,365

(8) ₹ 37,518

(9) ₹ 91,738,205

(10) ₹ 204,981,365

20

(6) ₹ 23,945,687

(7) ₹ 514,973,820

(8) ₹ 89,106,324

(9) ₹ 87,059,146

(10) ₹ 16,295,704

The next pages are questions (11)–(15).

21

(11) ₹ 75,928,634

(12) ₹ 56,098,217

(13) ₹ 874,153,290

(14) ₹ 874,250

(15) ₹ 138,459,726

Dan Receipts (8 min)

22

(11) ₹ 87,254,013

(12) ₹ 91,530,674

(13) ₹ 28,596,741

(14) ₹ 85,690,312

(15) ₹ 62,183

23

(11) ₹ 638,792,504

(12) ₹ 802,495

(13) ₹ 902,583

(14) ₹ 753,824

(15) ₹ 43,981,062

24

(11) ₹ 561,028

(12) ₹ 4,673,508

(13) ₹ 617,834

(14) ₹ 597,468,130

(15) ₹ 27,638,450

25

(11) ₹ 20,694,783

(12) ₹ 142,837,695

(13) ₹ 52,840,916

(14) ₹ 178,504,692

(15) ₹ 714,296

Dan Receipts (8 min)

26

(11) ₹ 10,839

(12) ₹ 21,758

(13) ₹ 7,025,194

(14) ₹ 9,241,708

(15) ₹ 305,684

27

(11) ₹ 154,023,687

(12) ₹ 68,942,031

(13) ₹ 10,637

(14) ₹ 24,375,169

(15) ₹ 74,531,209

28

(11) ₹ 3,145,962

(12) ₹ 761,423

(13) ₹ 46,578,320

(14) ₹ 436,928,017

(15) ₹ 912,806,574

29

(11) ₹ 912,308,475

(12) ₹ 475,219,360

(13) ₹ 301,249,658

(14) ₹ 63,092,785

(15) ₹ 850,279,341

Dan Receipts (8 min)

30

(11) ₹ 476,190

(12) ₹ 307,156,849

(13) ₹ 635,781,409

(14) ₹ 36,451

(15) ₹ 5,093,867

The next pages are questions (16)–(20).

31

(16) ₹ 907,325,461

(17) ₹ 609,238

(18) ₹ 53,089,712

(19) ₹ 61,937

(20) ₹ 537,169,402

32

(16) ₹ 793,542

(17) ₹ 80,213,546

(18) ₹ 27,816,450

(19) ₹ 20,195,783

(20) ₹ 625,780

Dan Receipts (8 min)

33

(16) ¥ 19,458,320

(17) ¥ 75,048,361

(18) ¥ 927,165

(19) ¥ 46,781,520

(20) ¥ 962,304,815

34

(16) ¥ 64,083,217

(17) ¥ 496,782

(18) ¥ 34,519

(19) ¥ 923,654

(20) ¥ 16,278,953

35

(16) ¥ 37,061

(17) ¥ 2,541,360

(18) ¥ 4,360,728

(19) ¥ 519,407

(20) ¥ 867,549

36

(16) ¥ 8,196,573

(17) ¥ 57,892

(18) ¥ 10,645,893

(19) ¥ 761,358,249

(20) ¥ 490,713,256

Dan Receipts (8 min)

37

(16) ¥ 20,641,859

(17) ¥ 17,936,405

(18) ¥ 469,532,071

(19) ¥ 8,439,602

(20) ¥ 71,584,023

38

(16) ¥ 512,487

(17) ¥ 798,405,123

(18) ¥ 875,203,149

(19) ¥ 394,602,871

(20) ¥ 30,678

39

(16) ¥ 841,206,935

(17) ¥ 321,867,904

(18) ¥ 602,491,387

(19) ¥ 12,057,348

(20) ¥ 8,042,591

40

(16) ¥ 452,370,698

(17) ¥ 953,720,618

(18) ¥ 758,604

(19) ¥ 203,876,195

(20) ¥ 23,498,167

Answers Dan

Multiplication

1	12,405,399,654	15	24,868,753,110	29	¥73,403,374,889
2	38.966	16	3,975,704,656	30	¥31,340,218
3	1,069,739,858	17	4,146,471.794	31	¥25,021,600,596
4	4,990,621,581	18	22,144,896,167	32	¥28,408,872,340
5	50,046,872,366	19	32,002,222,928	33	¥368,297,965
6	11,152,636,440	20	20,993.059	34	¥20,936
7	45,703,232,685	21	¥11,369,898	35	¥26,863,890,020
8	850.509	22	¥577,464	36	¥19,858,345,204
9	5,450.947	23	¥18,578,167,014	37	¥31,520,441,172
10	7,065.526	24	¥63,402	38	¥173,584,633
11	0.021	25	¥19,082,391,948	39	¥782,614
12	9,738,018,370	26	¥24,986,066,922	40	¥222,269
13	0.176	27	¥47,282		
14	22,360,849,566	28	¥12,417,142,040		

Division

1	8,956	9	46,538	17	34,201.6	25	¥310,928	33	¥96,103
2	52,340	10	14,382	18	6,150.9	26	¥2,673	34	¥10,784
3	74,019	11	7,968	19	13.827	27	¥40,972	35	¥5,632
4	329.857	12	97,542	20	40.693	28	¥15,604	36	¥35,186
5	92.674	13	23,805	21	¥75,431	29	¥73,956	37	¥83,975
6	60,715	14	47,581	22	¥92,187	30	¥51,869	38	¥26,749
7	87,103	15	53.270	23	¥82,340	31	¥691,250	39	¥79,408
8	29.601	16	81,694	24	¥64,805	32	¥43,827	40	¥52,401

Sums

1	¥12,503,509,578	8	¥13,656,953,916	15	¥10,231,232,854
2	¥11,564,841,942	9	−¥4,300,221,165	16	¥11,316,337,407
3	¥144,949,726	10	¥11,916,794,664	17	¥7,024,495,249
4	¥5,425,678,773	11	¥5,764,229,532	18	¥14,853,113,379
5	¥1,822,904,965	12	¥9,867,586,626	19	−¥6,639,460,916
6	¥10,244,538,693	13	¥2,629,445,914	20	¥19,214,066,628
7	¥13,312,229,019	14	¥8,123,433,300		

Receipts

1	¥1,511,154,770	6	¥2,521,685,675	11	¥1,893,196,115	16	¥2,314,626,153
2	¥2,022,891,248	7	¥2,245,412,564	12	¥1,148,044,010	17	¥2,250,897,229
3	¥2,233,211,496	8	¥1,747,748,183	13	¥1,947,756,582	18	¥2,044,859,678
4	¥2,079,794,528	9	¥1,799,859,552	14	¥1,396,965,338	19	¥1,448,816,566
5	¥1,351,852,800	10	¥1,290,547,635	15	¥2,053,872,392	20	¥2,111,115,214