

Soroban Technology Lab

1 Kyu Multiplication / Division (20 min)

No.		Name	
Date		Score	

Multiplication (10 min)

(Note) Round to 3 decimal places

(Note) Round to the nearest yen

1	$4,986,215 \times 3,627 =$	11	$¥ 395,062 \times 0.05837 =$
2	$361,850 \times 91,082 =$	12	$¥ 425,960 \times 39,624 =$
3	$647,521 \times 0.06759 =$	13	$¥ 81,907 \times 982,706 =$
4	$752,406 \times 54,893 =$	14	$¥ 785,304 \times 214.85 =$
5	$21,069 \times 246,780 =$	15	$¥ 2,867,139 \times 8,731 =$
6	$0.194738 \times 0.79158 =$	16	$¥ 943,108 \times 64,932 =$
7	$850,734 \times 80,541 =$	17	$¥ 710,956 \times 0.17563 =$
8	$938,427 \times 6,713.5 =$	18	$¥ 524,681 \times 54,190 =$
9	$59.0382 \times 42.036 =$	19	$¥ 173,425 \times 70.258 =$
10	$0.097613 \times 1,923.4 =$	20	$¥ 627,483 \times 0.46019 =$

Division (10 min)

(Note) Round to 3 decimal places

(Note) Round to the nearest yen

1	$74.03811563 \div 0.97613 =$	11	$¥ 5,175,969,659 \div 592,013 =$
2	$1,561,416,700 \div 18,932 =$	12	$¥ 45,446 \div 0.46912 =$
3	$28,590.1736 \div 482.39 =$	13	$¥ 1,309,474,662 \div 3,678 =$
4	$2,561,373,142 \div 37,586 =$	14	$¥ 303,407,651 \div 6,035.9 =$
5	$4,023,546,476 \div 572,014 =$	15	$¥ 572,807 \div 8.2047 =$
6	$3,653,023.197 \div 74,531 =$	16	$¥ 6,141,074,121 \div 74,581 =$
7	$0.84427624 \div 0.04957 =$	17	$¥ 1,778,872,370 \div 91,685 =$
8	$2,864,009,080 \div 81,605 =$	18	$¥ 1,108,651,520 \div 14,720 =$
9	$149,307,564 \div 6,902.8 =$	19	$¥ 12,922 \div 0.29536 =$
10	$2,602,039,440 \div 2,640 =$	20	$¥ 2,430 \div 0.08374 =$

Soroban Technology Lab

1 Kyu Sums (8 min)

No.		Name	
Date		Score	

No.	1	2	3	4
1	¥ 491,076,583	¥ 240,719,863	¥ 7,102,498	¥ 231,609
2	9,854,107	9,853,612	41,069,527	543,871
3	245,908,736	5,724,069	-30,746,158	902,837,465
4	1,934,570,628	145,720	-832,469	1,579,086,342
5	214,936	4,763,012,985	148,753	25,408,791
6	8,607,925,413	518,379,402	293,685,107	81,726,950
7	302,861	3,024,867,951	9,674,518,230	654,819,023
8	78,149,025	76,908,534	6,412,790,385	4,230,975,186
9	6,783,259	691,378	-308,251,946	3,160,947
10	52,461,370	82,530,146	-5,973,062	7,654,238
Sum				

No.	5	6	7
1	¥ 7,359,604	¥ 27,015,648	¥ 2,340,759,816
2	492,378	4,860,259,713	3,207,198,465
3	-1,746,852	5,706,249	53,802,741
4	-512,084	6,931,870,524	1,923,865
5	13,750,962	352,108,496	-76,041,953
6	80,136,579	842,973	-275,196
7	6,735,821,940	3,684,051	8,947,302
8	369,084,125	931,785	684,520
9	-906,278,413	146,597,302	-964,170,238
10	-2,894,605,731	78,329,160	-415,369,087
Sum			

No.	8	9	10
1	¥ 24,375,089	¥ 31,729,648	¥ 97,682,041
2	410,635	5,632,790	739,526
3	541,726,890	7,869,123,045	40,351,978
4	3,165,208	-9,350,487,621	809,124,657
5	9,752,804,163	-47,019,385	6,278,453,910
6	6,895,017,342	506,794	136,428
7	143,769	254,813	3,651,907,284
8	7,652,918	-8,096,132	5,074,863
9	80,291,374	-172,368,504	2,890,135
10	268,930,457	604,871,259	316,245,790
Sum			

Soroban Technology Lab

1 Kyu Receipts (8 min)

No.		Name	
Date		Score	

pp. 1–10	(1)	(2)	(3)	(4)	(5)
pp. 11–20	(6)	(7)	(8)	(9)	(10)

		2	
(1)	¥	560,973	
(2)	¥	528,407,136	
(3)	¥	269,184	
(4)	¥	308,619	
(5)	¥	74,825,109	
		3	
(1)	¥	179,820	
(2)	¥	65,329,810	
(3)	¥	590,728	
(4)	¥	9,653,402	
(5)	¥	657,012	
		1	
(1)	¥	96,403,752	
(2)	¥	801,653,724	
(3)	¥	104,396,725	
(4)	¥	578,293,046	
(5)	¥	1,506,723	

1 Kyu Receipts (8 min)

6		4	
(1)	¥ <u>659,710,384</u>	(1)	¥ <u>461,852,093</u>
(2)	¥ <u>10,879,326</u>	(2)	¥ <u>786,542</u>
(3)	¥ <u>54,280</u>	(3)	¥ <u>95,402,316</u>
(4)	¥ <u>57,862</u>	(4)	¥ <u>631,597,840</u>
(5)	¥ <u>38,741,095</u>	(5)	¥ <u>43,169</u>
7		5	
(1)	¥ <u>74,261</u>	(1)	¥ <u>17,345,208</u>
(2)	¥ <u>4,590,781</u>	(2)	¥ <u>98,135</u>
(3)	¥ <u>472,135,609</u>	(3)	¥ <u>8,731,695</u>
(4)	¥ <u>27,146,953</u>	(4)	¥ <u>734,189</u>
(5)	¥ <u>680,235,941</u>	(5)	¥ <u>978,246</u>

10		8	
(1)	¥ <u>8,627,435</u>	(1)	¥ <u>385,261,097</u>
(2)	¥ <u>235,497</u>	(2)	¥ <u>37,041,269</u>
(3)	¥ <u>719,042,863</u>	(3)	¥ <u>30,618,957</u>
(4)	¥ <u>406,915,238</u>	(4)	¥ <u>83,421,075</u>
(5)	¥ <u>502,163,874</u>	(5)	¥ <u>29,310,658</u>
The next pages are questions (6)–(10).		9	
		(1)	¥ <u>24,093,186</u>
		(2)	¥ <u>943,168,052</u>
		(3)	¥ <u>63,875,042</u>
		(4)	¥ <u>10,862,794</u>
		(5)	¥ <u>865,409,327</u>

1 Kyu Receipts (8 min)

13		11	
(1)	¥ <u>72,180,534</u>	(1)	¥ <u>8,504,726</u>
(2)	¥ <u>306,419,572</u>	(2)	¥ <u>12,796</u>
(3)	¥ <u>69,152,408</u>	(3)	¥ <u>897,256</u>
(4)	¥ <u>932,487</u>	(4)	¥ <u>26,847</u>
(5)	¥ <u>932,174</u>	(5)	¥ <u>75,140</u>
14		12	
(1)	¥ <u>628,793</u>	(1)	¥ <u>38,601</u>
(2)	¥ <u>586,231</u>	(2)	¥ <u>297,865,014</u>
(3)	¥ <u>7,648,230</u>	(3)	¥ <u>240,386,197</u>
(4)	¥ <u>81,690,753</u>	(4)	¥ <u>326,794,018</u>
(5)	¥ <u>48,350,692</u>	(5)	¥ <u>251,704,698</u>

1 Kyu Receipts (8 min)

17		15	
(1)	¥ <u>284,930,617</u>	(1)	¥ <u>96,245,017</u>
(2)	¥ <u>61,973,052</u>	(2)	¥ <u>340,598</u>
(3)	¥ <u>52,091,364</u>	(3)	¥ <u>975,201,386</u>
(4)	¥ <u>743,856,019</u>	(4)	¥ <u>15,283,904</u>
(5)	¥ <u>6,407,829</u>	(5)	¥ <u>560,291,483</u>
18		16	
(1)	¥ <u>145,062,389</u>	(1)	¥ <u>53,706,298</u>
(2)	¥ <u>80,157,649</u>	(2)	¥ <u>9,738,124</u>
(3)	¥ <u>18,567,043</u>	(3)	¥ <u>35,978</u>
(4)	¥ <u>679,108,253</u>	(4)	¥ <u>52,430,176</u>
(5)	¥ <u>17,653,908</u>	(5)	¥ <u>863,715</u>

1 Kyu Receipts (8 min)

	19	
(1)	₹	<u>960,371,452</u>
(2)	₹	<u>48,275,360</u>
(3)	₹	<u>410,759</u>
(4)	₹	<u>4,365,820</u>
(5)	₹	<u>725,086,314</u>
	20	
(1)	₹	<u>419,875</u>
(2)	₹	<u>712,609,483</u>
(3)	₹	<u>704,923,861</u>
(4)	₹	<u>547,691</u>
(5)	₹	<u>34,129,057</u>

Answers 1 Kyu

Multiplication

1	<u>18,085,001,805</u>	8	<u>6,300,129,664.5</u>	15	<u>¥25,032,990,609</u>
2	<u>32,958,021,700</u>	9	<u>2,481.730</u>	16	<u>¥61,237,888,656</u>
3	<u>43,765.944</u>	10	<u>187.749</u>	17	<u>¥124,865</u>
4	<u>41,301,822,558</u>	11	<u>¥23,060</u>	18	<u>¥28,432,463,390</u>
5	<u>5,199,407,820</u>	12	<u>¥16,878,239,040</u>	19	<u>¥12,184,494</u>
6	<u>0.154</u>	13	<u>¥80,490,500,342</u>	20	<u>¥288,761</u>
7	<u>68,518,967,094</u>	14	<u>¥168,722,564</u>		

Division

1	<u>75.849</u>	6	<u>49.013</u>	11	<u>¥8,743</u>	16	<u>¥82,341</u>
2	<u>82,475</u>	7	<u>17.032</u>	12	<u>¥96,875</u>	17	<u>¥19,402</u>
3	<u>59.268</u>	8	<u>35,096</u>	13	<u>¥356,029</u>	18	<u>¥75,316</u>
4	<u>68,147</u>	9	<u>21,630</u>	14	<u>¥50,267</u>	19	<u>¥43,750</u>
5	<u>7,034</u>	10	<u>985,621</u>	15	<u>¥69,814</u>	20	<u>¥29,018</u>

Sums

1	<u>¥11,427,246,918</u>	6	<u>¥12,407,345,901</u>
2	<u>¥8,722,833,660</u>	7	<u>¥4,157,460,235</u>
3	<u>¥16,083,510,865</u>	8	<u>¥17,574,517,845</u>
4	<u>¥7,486,444,422</u>	9	<u>-¥1,065,853,293</u>
5	<u>¥3,403,502,508</u>	10	<u>¥11,202,606,612</u>

Receipts

1	<u>¥1,654,108,209</u>	6	<u>¥1,622,088,302</u>
2	<u>¥2,392,190,272</u>	7	<u>¥1,517,977,879</u>
3	<u>¥1,495,117,399</u>	8	<u>¥2,069,314,482</u>
4	<u>¥1,748,991,018</u>	9	<u>¥1,905,035,968</u>
5	<u>¥2,193,871,154</u>	10	<u>¥1,645,495,010</u>