

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	$916,732 \times 74,025 =$	11	$\yen 519,376 \times 10,972 =$
2	$0.563217 \times 4.9278 =$	12	$\yen 963,728 \times 40,657 =$
3	$627,408 \times 90,843 =$	13	$\yen 165,827 \times 94,815 =$
4	$0.0124653 \times 8.316 =$	14	$\yen 20,895 \times 28,456.3 =$
5	$795,436 \times 0.05962 =$	15	$\yen 832,401 \times 0.51708 =$
6	$384,095 \times 65,891 =$	16	$\yen 419,082 \times 0.62389 =$
7	$8.92354 \times 16.739 =$	17	$\yen 715,469 \times 3,927.6 =$
8	$15,780 \times 0.250734 =$	18	$\yen 6,173,054 \times 7,394 =$
9	$287,091 \times 51,840 =$	19	$\yen 389,540 \times 0.03521 =$
10	$481,069 \times 31,267 =$	20	$\yen 640,273 \times 81,640 =$

Division (10 min)

(Note) Round to 3 decimal places

(Note) Round to the nearest yen

1	$247,548.3054 \div 2,840.6 =$	11	$\yen 752,706,528 \div 73,192 =$
2	$4,385,650,273 \div 58,271 =$	12	$\yen 5,252,147,640 \div 68,270 =$
3	$2,296,137,060 \div 35,908 =$	13	$\yen 1,319,181,974 \div 1,403 =$
4	$236.5383632 \div 0.6214 =$	14	$\yen 2,071,846,151 \div 48,739 =$
5	$758,734,695 \div 8,145.3 =$	15	$\yen 24,414,874 \div 349.87 =$
6	$884,134.928 \div 49,370 =$	16	$\yen 4,718 \div 0.21568 =$
7	$5,498,909,850 \div 93,675 =$	17	$\yen 727,562,656 \div 8,523.4 =$
8	$1,012,619,959 \div 162,097 =$	18	$\yen 332 \div 0.097156 =$
9	$3,227,230,818 \div 78,162 =$	19	$\yen 2,873,405,346 \div 56,401 =$
10	$0.88884369 \div 0.04359 =$	20	$\yen 64,670 \div 0.90625 =$

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1 Kyu Sums (8 min)

No.		Name	
Date		Score	

No.	1	2	3	4
1	≠ 974,516	≠ 356,782	≠ 917,028	≠ 60,175,894
2	801,429,673	6,973,418	3,924,586,170	8,427,091,365
3	2,703,958	90,251,643	658,314	589,216
4	64,350,291	231,805,967	-19,432,605	3,652,408
5	7,594,826	8,379,260,145	-96,123,780	705,864,293
6	38,172,560	14,092,658	8,765,349	1,273,549
7	861,034	452,189,370	2,603,451,978	4,852,910,637
8	5,683,140,972	726,034	481,690,257	347,081
9	145,287,309	5,417,809	-530,847,192	286,531,970
10	4,029,635,187	9,108,543,726	-7,204,536	94,706,123
Sum				

No.	5	6	7
1	≠ 6,429,308,715	≠ 795,632	≠ 7,016,942,583
2	1,024,867	37,658,140	2,095,478
3	3,567,190	154,203,698	-1,549,306,287
4	-314,650,928	812,403	-983,147,605
5	-971,834	7,690,428,315	561,392
6	8,762,439,105	9,516,827	67,182,940
7	586,329	68,034,971	8,673,051
8	-298,014,576	541,870,269	-20,859,437
9	-40,752,631	4,025,189,736	-438,126
10	75,829,043	2,347,059	395,210,764
Sum			

No.	8	9	10
1	≠ 63,407,895	≠ 4,980,617,352	≠ 50,698,743
2	259,641	943,218	8,341,950
3	750,136,829	531,974	12,687,405
4	4,921,687,305	-624,017,859	975,863,021
5	9,078,243	-8,537,920,164	275,169
6	16,923,074	3,285,670	4,167,503,928
7	3,592,860,417	68,149,503	3,490,281
8	541,786	-796,358,420	284,039,617
9	205,193,468	-2,406,791	6,039,152,874
10	8,725,130	15,872,036	724,536
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)

1 Kyu Receipts (8 min)

2		1 Kyu Receipts (8 min)		1	
(1) ¥	76,028,154			(1) ¥	897,465,310
(2) ¥	9,817,402			(2) ¥	546,702,391
(3) ¥	51,793			(3) ¥	976,531
(4) ¥	586,491,073			(4) ¥	625,398
(5) ¥	864,259			(5) ¥	536,407
3					
(1) ¥	501,639,728				
(2) ¥	435,698				
(3) ¥	752,689,041				
(4) ¥	9,704,356				
(5) ¥	7,485,023				

1 Kyu Receipts (8 min)

6		4	
(1)	¥ <u>2,304,785</u>	(1)	¥ <u>185,793,046</u>
(2)	¥ <u>14,256</u>	(2)	¥ <u>607,928,413</u>
(3)	¥ <u>14,529,638</u>	(3)	¥ <u>3,805,472</u>
(4)	¥ <u>43,082,765</u>	(4)	¥ <u>71,829</u>
(5)	¥ <u>43,218,075</u>	(5)	¥ <u>375,128,906</u>
7		5	
(1)	¥ <u>932,608</u>	(1)	¥ <u>38,160,957</u>
(2)	¥ <u>793,640,812</u>	(2)	¥ <u>359,640</u>
(3)	¥ <u>493,170</u>	(3)	¥ <u>96,278,305</u>
(4)	¥ <u>234,518</u>	(4)	¥ <u>895,126,407</u>
(5)	¥ <u>61,957,384</u>	(5)	¥ <u>158,046,739</u>

10		8	
(1)	¥ <u>274,681</u>	(1)	¥ <u>60,517,492</u>
(2)	¥ <u>50,286,174</u>	(2)	¥ <u>25,178,039</u>
(3)	¥ <u>631,742,089</u>	(3)	¥ <u>87,160,524</u>
(4)	¥ <u>27,513,490</u>	(4)	¥ <u>32,840,961</u>
(5)	¥ <u>29,730,641</u>	(5)	¥ <u>19,276</u>
The next pages are questions (6)–(10).		9	
		(1)	¥ <u>45,239</u>
		(2)	¥ <u>81,095,723</u>
		(3)	¥ <u>240,395,816</u>
		(4)	¥ <u>170,369,285</u>
		(5)	¥ <u>984,603,512</u>

1 Kyu Receipts (8 min)

13		11	
(1)	¥ <u>275,390</u>	(1)	¥ <u>9,805,647</u>
(2)	¥ <u>76,180,342</u>	(2)	¥ <u>95,308</u>
(3)	¥ <u>519,062</u>	(3)	¥ <u>83,475</u>
(4)	¥ <u>64,932,805</u>	(4)	¥ <u>375,246</u>
(5)	¥ <u>491,576</u>	(5)	¥ <u>204,689,157</u>
14		12	
(1)	¥ <u>890,162,745</u>	(1)	¥ <u>58,627,139</u>
(2)	¥ <u>507,294</u>	(2)	¥ <u>631,589</u>
(3)	¥ <u>2,750,381</u>	(3)	¥ <u>19,458,327</u>
(4)	¥ <u>852,143,760</u>	(4)	¥ <u>524,178</u>
(5)	¥ <u>745,389,620</u>	(5)	¥ <u>6,135,098</u>

1 Kyu Receipts (8 min)

17		15	
(1)	¥ <u>786,531,092</u>	(1)	¥ <u>324,581</u>
(2)	¥ <u>358,416,207</u>	(2)	¥ <u>84,752,619</u>
(3)	¥ <u>96,243,870</u>	(3)	¥ <u>281,047,653</u>
(4)	¥ <u>27,430,961</u>	(4)	¥ <u>9,786,015</u>
(5)	¥ <u>27,804,956</u>	(5)	¥ <u>52,748,103</u>
18		16	
(1)	¥ <u>63,490,178</u>	(1)	¥ <u>127,053,469</u>
(2)	¥ <u>49,053,168</u>	(2)	¥ <u>265,981,073</u>
(3)	¥ <u>692,147</u>	(3)	¥ <u>354,120,986</u>
(4)	¥ <u>936,018,524</u>	(4)	¥ <u>43,805,796</u>
(5)	¥ <u>13,762</u>	(5)	¥ <u>971,438</u>

1 Kyu Receipts (8 min)

19	
(1)	<u>¥ 48,601</u>
(2)	<u>¥ 7,329,410</u>
(3)	<u>¥ 45,376,092</u>
(4)	<u>¥ 705,261,349</u>
(5)	<u>¥ 391,207,485</u>

20	
(1)	<u>¥ 14,739,256</u>
(2)	<u>¥ 132,840,756</u>
(3)	<u>¥ 768,901,534</u>
(4)	<u>¥ 19,287</u>
(5)	<u>¥ 83,560,219</u>

Answers 1 Kyu

Multiplication

1	<u>67,861,086,300</u>	8	<u>3,956.583</u>	15	<u>¥430,418</u>
2	<u>2.775</u>	9	<u>14,882,797,440</u>	16	<u>¥261,461</u>
3	<u>56,995,624,944</u>	10	<u>15,041,584,423</u>	17	<u>¥2,810,076,044</u>
4	<u>0.104</u>	11	<u>¥5,698,593,472</u>	18	<u>¥45,643,561,276</u>
5	<u>47,423.894</u>	12	<u>¥39,182,289,296</u>	19	<u>¥13,716</u>
6	<u>25,308,403,645</u>	13	<u>¥15,722,887,005</u>	20	<u>¥52,271,887,720</u>
7	<u>149.371</u>	14	<u>¥594,594,389</u>		

Division

1	<u>87.146</u>	6	<u>17.908</u>	11	<u>¥10,284</u>	16	<u>¥21,875</u>
2	<u>75,263</u>	7	<u>58,702</u>	12	<u>¥76,932</u>	17	<u>¥85,361</u>
3	<u>63,945</u>	8	<u>6,247</u>	13	<u>¥940,258</u>	18	<u>¥3,417</u>
4	<u>380.654</u>	9	<u>41,289</u>	14	<u>¥42,509</u>	19	<u>¥50,946</u>
5	<u>93,150</u>	10	<u>20.391</u>	15	<u>¥69,783</u>	20	<u>¥71,360</u>

Sums

1	<u>¥10,774,150,326</u>	6	<u>¥12,530,857,050</u>
2	<u>¥18,289,617,552</u>	7	<u>¥4,936,914,753</u>
3	<u>¥6,366,460,983</u>	8	<u>¥9,568,813,788</u>
4	<u>¥14,433,142,536</u>	9	<u>-¥4,891,303,481</u>
5	<u>¥14,618,365,280</u>	10	<u>¥11,542,777,524</u>

Receipts

1	<u>¥1,763,162,000</u>	6	<u>¥1,951,058,098</u>
2	<u>¥2,115,458,548</u>	7	<u>¥975,787,766</u>
3	<u>¥1,828,122,379</u>	8	<u>¥1,569,193,527</u>
4	<u>¥1,766,060,082</u>	9	<u>¥2,640,297,921</u>
5	<u>¥1,661,590,222</u>	10	<u>¥1,513,011,414</u>