

Soroban Technology Lab

3 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	$48,936 \times 31 =$	11	$¥ 1,036 \times 286 =$
2	$0.0267 \times 0.268 =$	12	$¥ 67,905 \times 7.8 =$
3	$9,278 \times 906 =$	13	$¥ 2,384 \times 0.059 =$
4	$5,961 \times 713 =$	14	$¥ 5,217 \times 4.91 =$
5	$152 \times 4,230 =$	15	$¥ 365 \times 5,062 =$
6	$8,340 \times 695 =$	16	$¥ 4,018 \times 0.874 =$
7	$201.4 \times 57.4 =$	17	$¥ 7,842 \times 310 =$
8	$0.6709 \times 0.087 =$	18	$¥ 4,769 \times 0.623 =$
9	$7,453 \times 15.2 =$	19	$¥ 8,591 \times 145 =$
10	$3,185 \times 84.9 =$	20	$¥ 9,230 \times 937 =$

Division (10 min)

(Note) Round to 3 decimal places

(Note) Round to the nearest yen

1	$723,216 \div 912 =$	11	$¥ 13 \div 0.125 =$
2	$0.44402 \div 0.298 =$	12	$¥ 19 \div 0.046 =$
3	$0.031155 \div 0.067 =$	13	$¥ 562,653 \div 63 =$
4	$798,168 \div 84 =$	14	$¥ 84,802 \div 218 =$
5	$124,992 \div 576 =$	15	$¥ 3,198 \div 4.92 =$
6	$4,783.01 \div 784.1 =$	16	$¥ 399,438 \div 569 =$
7	$12.75 \div 453 =$	17	$¥ 1,951 \div 78.04 =$
8	$518,320 \div 620 =$	18	$¥ 672 \div 0.875 =$
9	$78.84 \div 13.5 =$	19	$¥ 887,339 \div 937 =$
10	$114,330 \div 309 =$	20	$¥ 163,060 \div 310 =$

Soroban Technology Lab

3 Kyu Sums (8 min)

No.		Name	
Date		Score	

No.	1	2	3	4	5
1	¥ 40,751	¥ 8,032	¥ 8,269	¥ 25,137	¥ 483,072
2	82,346	16,897	154	304,629	1,659
3	901,268	467,105	370,586	9,713	-30,487
4	9,054	281	-4,073	196,204	-123
5	187	592,403	-29,348	758	619,405
6	598,703	35,219	182,094	8,934	826,510
7	614,590	9,648	53,761	510,872	98,743
8	7,632	703,569	605,412	631,095	5,976
9	23,917	41,372	-736,905	82,546	-204,869
10	365,428	684,750	-91,827	47,860	-72,351
Sum					

No.	6	7	8	9	10
1	¥ 924,056	¥ 872,046	¥ 980,267	¥ 2,859	¥ 604
2	70,913	3,510	4,513	307,164	73,582
3	5,638	529,308	8,346	-278,013	2,697
4	284	-48,059	259,801	-15,390	9,851
5	31,590	-6,147	527	46,925	107,294
6	8,752	95,681	35,469	748	86,325
7	402,683	14,963	702,138	534,162	390,478
8	149,307	387,291	91,074	-61,207	14,063
9	67,129	-732	16,750	-9,586	521,986
10	716,845	-260,475	623,984	890,734	435,710
Sum					

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3 Kyu Receipts (8 min)

No.		Name	
Date		Score	

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

3 Kyu Receipts (8 min)

3 Kyu Receipts (8 min)		2	
(1)	¥	19,624	
(2)	¥	369	
(3)	¥	56,034	
(4)	¥	867	
(5)	¥	358	
		3	
(1)	¥	3,817	
(2)	¥	4,853	
(3)	¥	801	
(4)	¥	382	
(5)	¥	7,632	
		1	
(1)	¥	6,150	
(2)	¥	9,471	
(3)	¥	4,798	
(4)	¥	6,150	
(5)	¥	5,419	

3 Kyu Receipts (8 min)

6		4	
(1)	¥ <u>52,740</u>	(1)	¥ <u>703</u>
(2)	¥ <u>2,648</u>	(2)	¥ <u>50,271</u>
(3)	¥ <u>68,290</u>	(3)	¥ <u>1,273</u>
(4)	¥ <u>428</u>	(4)	¥ <u>7,930</u>
(5)	¥ <u>69,307</u>	(5)	¥ <u>6,740</u>
7		5	
(1)	¥ <u>4,528</u>	(1)	¥ <u>20,369</u>
(2)	¥ <u>752</u>	(2)	¥ <u>63,509</u>
(3)	¥ <u>356</u>	(3)	¥ <u>914</u>
(4)	¥ <u>58,649</u>	(4)	¥ <u>2,713</u>
(5)	¥ <u>14,289</u>	(5)	¥ <u>452</u>

3 Kyu Receipts (8 min)

10		8	
(1)	<u>¥ 875</u>	(1)	<u>¥ 8,419</u>
(2)	<u>¥ 186</u>	(2)	<u>¥ 21,097</u>
(3)	<u>¥ 5,162</u>	(3)	<u>¥ 7,435</u>
(4)	<u>¥ 95,071</u>	(4)	<u>¥ 43,295</u>
(5)	<u>¥ 98,071</u>	(5)	<u>¥ 2,165</u>
The next pages are questions (6)–(10).		9	
		(1)	<u>¥ 936</u>
		(2)	<u>¥ 8,430</u>
		(3)	<u>¥ 29,780</u>
		(4)	<u>¥ 1,604</u>
		(5)	<u>¥ 803</u>

3 Kyu Receipts (8 min)

13		11	
(1)	<u>¥ 3,158</u>	(1)	<u>¥ 1,490</u>
(2)	<u>¥ 1,547</u>	(2)	<u>¥ 40,218</u>
(3)	<u>¥ 4,015</u>	(3)	<u>¥ 37,496</u>
(4)	<u>¥ 8,526</u>	(4)	<u>¥ 3,479</u>
(5)	<u>¥ 25,187</u>	(5)	<u>¥ 4,653</u>
14		12	
(1)	<u>¥ 10,473</u>	(1)	<u>¥ 82,763</u>
(2)	<u>¥ 316</u>	(2)	<u>¥ 5,973</u>
(3)	<u>¥ 60,572</u>	(3)	<u>¥ 5,132</u>
(4)	<u>¥ 96,042</u>	(4)	<u>¥ 631</u>
(5)	<u>¥ 6,712</u>	(5)	<u>¥ 1,420</u>

3 Kyu Receipts (8 min)

17		15	
(1)	¥ <u>4,062</u>	(1)	¥ <u>59,826</u>
(2)	¥ <u>932</u>	(2)	¥ <u>2,085</u>
(3)	¥ <u>253</u>	(3)	¥ <u>1,064</u>
(4)	¥ <u>50,317</u>	(4)	¥ <u>7,801</u>
(5)	¥ <u>8,975</u>	(5)	¥ <u>93,640</u>
18		16	
(1)	¥ <u>938</u>	(1)	¥ <u>605</u>
(2)	¥ <u>8,764</u>	(2)	¥ <u>609</u>
(3)	¥ <u>928</u>	(3)	¥ <u>789</u>
(4)	¥ <u>278</u>	(4)	¥ <u>4,593</u>
(5)	¥ <u>591</u>	(5)	¥ <u>308</u>

3 Kyu Receipts (8 min)

19	
(1)	$\yen 7,549$
(2)	$\yen 69,450$
(3)	$\yen 8,341$
(4)	$\yen 82,965$
(5)	$\yen 70,286$
20	
(1)	$\yen 271$
(2)	$\yen 73,182$
(3)	$\yen 89,607$
(4)	$\yen 140$
(5)	$\yen 934$

Answers 3 Kyu

Multiplication

1	<u>1,517,016</u>	6	<u>5,796,300</u>	11	<u>¥296,296</u>	16	<u>¥3,512</u>
2	<u>0.007</u>	7	<u>11,560.36</u>	12	<u>¥529,659</u>	17	<u>¥2,431,020</u>
3	<u>8,405,868</u>	8	<u>0.058</u>	13	<u>¥141</u>	18	<u>¥2,971</u>
4	<u>4,250,193</u>	9	<u>113,285.6</u>	14	<u>¥25,615</u>	19	<u>¥1,245,695</u>
5	<u>642,960</u>	10	<u>270,406.5</u>	15	<u>¥1,847,630</u>	20	<u>¥8,648,510</u>

Division

1	<u>793</u>	6	<u>6.1</u>	11	<u>¥104</u>	16	<u>¥702</u>
2	<u>1.49</u>	7	<u>0.028</u>	12	<u>¥413</u>	17	<u>¥25</u>
3	<u>0.465</u>	8	<u>836</u>	13	<u>¥8,931</u>	18	<u>¥768</u>
4	<u>9,502</u>	9	<u>5.84</u>	14	<u>¥389</u>	19	<u>¥947</u>
5	<u>217</u>	10	<u>370</u>	15	<u>¥650</u>	20	<u>¥526</u>

Sums

1	<u>¥2,643,876</u>	6	<u>¥2,377,197</u>
2	<u>¥2,559,276</u>	7	<u>¥1,587,386</u>
3	<u>¥358,123</u>	8	<u>¥2,722,869</u>
4	<u>¥1,817,748</u>	9	<u>¥1,418,396</u>
5	<u>¥1,727,535</u>	10	<u>¥1,642,590</u>

Receipts

1	<u>¥118,161</u>	6	<u>¥171,135</u>
2	<u>¥161,586</u>	7	<u>¥203,076</u>
3	<u>¥174,843</u>	8	<u>¥208,197</u>
4	<u>¥217,089</u>	9	<u>¥254,772</u>
5	<u>¥205,236</u>	10	<u>¥212,706</u>