

# Soroban Technology Lab

## 4 Kyu Multiplication / Division (20 min)

|      |  |       |  |
|------|--|-------|--|
| No.  |  | Name  |  |
| Date |  | Score |  |

### Multiplication (10 min)

|    |                           |
|----|---------------------------|
| 1  | $8,421 \times 812 =$      |
| 2  | $39,076 \times 79 =$      |
| 3  | $2,709 \times 350 =$      |
| 4  | $5,347 \times 637 =$      |
| 5  | $783 \times 2,963 =$      |
| 6  | $1,952 \times 401 =$      |
| 7  | $6,830 \times 874 =$      |
| 8  | $5,168 \times 928 =$      |
| 9  | $9,604 \times 506 =$      |
| 10 | $4,125 \times 145 =$      |
| 11 | $\yen 728 \times 9,816 =$ |
| 12 | $\yen 47,905 \times 38 =$ |
| 13 | $\yen 7,859 \times 794 =$ |
| 14 | $\yen 3,420 \times 572 =$ |
| 15 | $\yen 9,156 \times 650 =$ |
| 16 | $\yen 2,963 \times 243 =$ |
| 17 | $\yen 8,364 \times 607 =$ |
| 18 | $\yen 6,801 \times 105 =$ |
| 19 | $\yen 5,142 \times 431 =$ |
| 20 | $\yen 1,037 \times 829 =$ |

### Division (10 min)

|    |                            |
|----|----------------------------|
| 1  | $328,635 \div 67 =$        |
| 2  | $334,752 \div 528 =$       |
| 3  | $530,689 \div 901 =$       |
| 4  | $103,095 \div 395 =$       |
| 5  | $108,630 \div 153 =$       |
| 6  | $122,694 \div 4,719 =$     |
| 7  | $566,918 \div 706 =$       |
| 8  | $228,852 \div 234 =$       |
| 9  | $126,420 \div 860 =$       |
| 10 | $169,664 \div 482 =$       |
| 11 | $\yen 274,482 \div 306 =$  |
| 12 | $\yen 99,468 \div 27 =$    |
| 13 | $\yen 376,689 \div 921 =$  |
| 14 | $\yen 131,066 \div 142 =$  |
| 15 | $\yen 341,640 \div 468 =$  |
| 16 | $\yen 561,935 \div 935 =$  |
| 17 | $\yen 495,568 \div 659 =$  |
| 18 | $\yen 419,580 \div 810 =$  |
| 19 | $\yen 172,235 \div 703 =$  |
| 20 | $\yen 93,984 \div 5,874 =$ |

# Soroban Technology Lab

## 4 Kyu Sums (8 min)

|      |  |       |  |
|------|--|-------|--|
| No.  |  | Name  |  |
| Date |  | Score |  |

| No. | 1       | 2        | 3        | 4        | 5       |
|-----|---------|----------|----------|----------|---------|
| 1   | ¥ 8,132 | ¥ 46,539 | ¥ 61,042 | ¥ 39,508 | ¥ 1,945 |
| 2   | 24,358  | 95,620   | 6,284    | 614      | 90,832  |
| 3   | 581     | 7,304    | -38,175  | 4,596    | -51,074 |
| 4   | 67,902  | 74,189   | -4,693   | 78,103   | -6,509  |
| 5   | 90,627  | 68,791   | 12,840   | 2,974    | 74,650  |
| 6   | 7,589   | 1,376    | 8,156    | 96,721   | 39,718  |
| 7   | 43,160  | 5,432    | 53,789   | 13,045   | 432     |
| 8   | 19,846  | 29,075   | -70,324  | 8,257    | -8,263  |
| 9   | 5,713   | 30,268   | -917     | 21,836   | -15,096 |
| 10  | 32,045  | 815      | 29,506   | 50,489   | 27,814  |
| Sum |         |          |          |          |         |

| No. | 6        | 7        | 8       | 9        | 10       |
|-----|----------|----------|---------|----------|----------|
| 1   | ¥ 74,850 | ¥ 14,076 | ¥ 148   | ¥ 60,439 | ¥ 30,876 |
| 2   | 173      | 3,619    | 76,085  | 864      | 6,723    |
| 3   | 40,867   | 95,743   | -59,321 | 85,190   | 94,850   |
| 4   | 21,409   | 201      | -4,576  | 4,237    | -193     |
| 5   | 5,921    | 82,590   | 80,124  | 31,820   | -4,910   |
| 6   | 30,275   | 5,834    | 63,047  | 9,543    | 58,064   |
| 7   | 6,438    | 76,210   | 2,698   | 17,098   | 23,501   |
| 8   | 2,561    | 8,752    | -37,809 | 74,986   | -1,275   |
| 9   | 93,682   | 61,347   | -91,463 | 2,751    | -79,148  |
| 10  | 89,740   | 40,968   | 7,250   | 53,602   | 82,637   |
| Sum |          |          |         |          |          |

## Answers 4 Kyu

### Multiplication

|   |                  |    |                  |    |                   |    |                   |
|---|------------------|----|------------------|----|-------------------|----|-------------------|
| 1 | <u>6,837,852</u> | 6  | <u>782,752</u>   | 11 | <u>¥7,146,048</u> | 16 | <u>¥720,009</u>   |
| 2 | <u>3,087,004</u> | 7  | <u>5,969,420</u> | 12 | <u>¥1,820,390</u> | 17 | <u>¥5,076,948</u> |
| 3 | <u>948,150</u>   | 8  | <u>4,795,904</u> | 13 | <u>¥6,240,046</u> | 18 | <u>¥714,105</u>   |
| 4 | <u>3,406,039</u> | 9  | <u>4,859,624</u> | 14 | <u>¥1,956,240</u> | 19 | <u>¥2,216,202</u> |
| 5 | <u>2,320,029</u> | 10 | <u>598,125</u>   | 15 | <u>¥5,951,400</u> | 20 | <u>¥859,673</u>   |

### Division

|   |              |    |            |    |               |    |             |
|---|--------------|----|------------|----|---------------|----|-------------|
| 1 | <u>4,905</u> | 6  | <u>26</u>  | 11 | <u>¥897</u>   | 16 | <u>¥601</u> |
| 2 | <u>634</u>   | 7  | <u>803</u> | 12 | <u>¥3,684</u> | 17 | <u>¥752</u> |
| 3 | <u>589</u>   | 8  | <u>978</u> | 13 | <u>¥409</u>   | 18 | <u>¥518</u> |
| 4 | <u>261</u>   | 9  | <u>147</u> | 14 | <u>¥923</u>   | 19 | <u>¥245</u> |
| 5 | <u>710</u>   | 10 | <u>352</u> | 15 | <u>¥730</u>   | 20 | <u>¥16</u>  |

### Sums

|   |                 |    |                 |
|---|-----------------|----|-----------------|
| 1 | <u>¥299,953</u> | 6  | <u>¥365,916</u> |
| 2 | <u>¥359,409</u> | 7  | <u>¥389,340</u> |
| 3 | <u>¥57,508</u>  | 8  | <u>¥36,183</u>  |
| 4 | <u>¥316,143</u> | 9  | <u>¥340,530</u> |
| 5 | <u>¥154,449</u> | 10 | <u>¥211,125</u> |