

## Soroban Technology Lab

Pré-2º kyu Multiplicação / Divisão (tempo: 20 min)

|      |  |        |  |
|------|--|--------|--|
| N.º  |  | Nome   |  |
| Data |  | Pontos |  |

**Multiplicação (tempo: 10 min)**

(Atenção) Arredondar para 3 casas decimais

(Atenção) Arredondar para ienes inteiros

|    |                         |    |                              |
|----|-------------------------|----|------------------------------|
| 1  | $0.8034 \times 9.378 =$ | 11 | $\yen 20,871 \times 0.106 =$ |
| 2  | $6,975 \times 3,812 =$  | 12 | $\yen 364 \times 20,814 =$   |
| 3  | $25.18 \times 0.0473 =$ | 13 | $\yen 1,907 \times 7,239 =$  |
| 4  | $95,432 \times 0.701 =$ | 14 | $\yen 9,035 \times 9,350 =$  |
| 5  | $4,813 \times 2.564 =$  | 15 | $\yen 7,352 \times 68.92 =$  |
| 6  | $1,287 \times 4,150 =$  | 16 | $\yen 6,729 \times 597.3 =$  |
| 7  | $7,061 \times 6,425 =$  | 17 | $\yen 8,460 \times 3,645 =$  |
| 8  | $5,740 \times 8,926 =$  | 18 | $\yen 5,413 \times 0.0548 =$ |
| 9  | $0.096 \times 1.3907 =$ | 19 | $\yen 2,986 \times 0.4217 =$ |
| 10 | $3,269 \times 5,689 =$  | 20 | $\yen 4,158 \times 8,671 =$  |

**Divisão (tempo: 10 min)**

(Atenção) Arredondar para 3 casas decimais

(Atenção) Arredondar para ienes inteiros

|    |                          |    |                                |
|----|--------------------------|----|--------------------------------|
| 1  | $0.496826 \div 0.074 =$  | 11 | $\yen 4,042,440 \div 5,910 =$  |
| 2  | $4,930,024 \div 5,093 =$ | 12 | $\yen 4,474,421 \div 631 =$    |
| 3  | $1.083213 \div 0.8397 =$ | 13 | $\yen 14 \div 0.0813 =$        |
| 4  | $1,956,500 \div 602 =$   | 14 | $\yen 1,104 \div 0.128 =$      |
| 5  | $0.097552 \div 2.189 =$  | 15 | $\yen 5,785,308 \div 9,756 =$  |
| 6  | $2,569,502 \div 481 =$   | 16 | $\yen 5,042 \div 0.25 =$       |
| 7  | $31,434.24 \div 7.68 =$  | 17 | $\yen 3,790,722 \div 82,407 =$ |
| 8  | $10,246.5 \div 12,650 =$ | 18 | $\yen 10,781 \div 3.49 =$      |
| 9  | $2,943,570 \div 3,745 =$ | 19 | $\yen 4,358,924 \div 4,652 =$  |
| 10 | $2,257,632 \div 96 =$    | 20 | $\yen 54,683 \div 7.34 =$      |

# Soroban Technology Lab

Pré-2º kyu Somas (tempo: 8 min)

|      |  |        |  |
|------|--|--------|--|
| N.º  |  | Nome   |  |
| Data |  | Pontos |  |

| N.º   | 1         | 2         | 3           | 4         | 5          |
|-------|-----------|-----------|-------------|-----------|------------|
| 1     | ¥ 481,237 | ¥ 278,061 | ¥ 9,527,834 | ¥ 410,852 | ¥ 276,358  |
| 2     | 94,560    | 194,382   | 896,317     | 579,624   | 9,308,412  |
| 3     | 918,206   | 61,247    | 7,291       | 765,409   | 764,290    |
| 4     | 1,350,947 | 730,569   | -64,085     | 1,730     | -4,932,057 |
| 5     | 24,819    | 5,027,391 | -12,864     | 2,385,471 | -84,576    |
| 6     | 5,209,763 | 8,910,456 | 475,130     | 8,927,106 | 19,485     |
| 7     | 7,042,185 | 53,874    | 2,140,679   | 34,598    | 6,091,738  |
| 8     | 675,394   | 4,682,705 | 389,502     | 6,253,081 | 120,863    |
| 9     | 8,736,051 | 3,845,910 | -5,703,426  | 3,106,947 | -5,621     |
| 10    | 3,628     | 9,623     | -6,051,983  | 98,263    | -3,451,709 |
| Total |           |           |             |           |            |

| N.º   | 6           | 7           | 8           | 9          | 10        |
|-------|-------------|-------------|-------------|------------|-----------|
| 1     | ¥ 7,346,215 | ¥ 5,063,478 | ¥ 8,964,201 | ¥ 468,321  | ¥ 378,591 |
| 2     | 901,758     | 8,729,056   | 6,379,045   | 7,495      | 63,824    |
| 3     | 57,964      | 91,203      | 750,231     | 2,986,730  | 7,035,941 |
| 4     | 3,290       | -184,965    | 37,168      | -92,147    | 853,726   |
| 5     | 231,679     | -7,413      | 584,720     | -3,625,091 | 10,462    |
| 6     | 4,175,328   | 6,570,829   | 206,953     | 543,978    | 6,184,079 |
| 7     | 862,403     | 18,647      | 8,196       | 830,412    | 9,235     |
| 8     | 6,089,534   | -302,591    | 4,027,385   | 58,760     | 496,807   |
| 9     | 8,524,091   | -249,360    | 9,645,817   | -1,274,506 | 5,942,180 |
| 10    | 10,876      | 4,853,712   | 12,439      | -6,019,853 | 2,701,653 |
| Total |             |             |             |            |           |

## Soroban Technology Lab

Pré-2º kyu Cálculo de notas (tempo: 8 min)

|      |  |        |  |
|------|--|--------|--|
| N.º  |  | Nome   |  |
| Data |  | Pontos |  |

|          |     |     |     |     |      |
|----------|-----|-----|-----|-----|------|
| p. 1-10  | (1) | (2) | (3) | (4) | (5)  |
| p. 11-20 | (6) | (7) | (8) | (9) | (10) |



|       |         |       |         |
|-------|---------|-------|---------|
| 6     |         | 4     |         |
| (1) ¥ | 601,379 | (1) ¥ | 742,309 |
| (2) ¥ | 186,347 | (2) ¥ | 59,124  |
| (3) ¥ | 853,107 | (3) ¥ | 59,431  |
| (4) ¥ | 873,690 | (4) ¥ | 246     |
| (5) ¥ | 70,593  | (5) ¥ | 872     |
| 7     |         | 5     |         |
| (1) ¥ | 42,658  | (1) ¥ | 38,156  |
| (2) ¥ | 310,259 | (2) ¥ | 67,058  |
| (3) ¥ | 782,640 | (3) ¥ | 127,058 |
| (4) ¥ | 1,542   | (4) ¥ | 906,125 |
| (5) ¥ | 6,124   | (5) ¥ | 34,951  |

|                                                                |         |       |         |
|----------------------------------------------------------------|---------|-------|---------|
| 10                                                             |         | 8     |         |
| (1) ¥                                                          | 6,521   | (1) ¥ | 934     |
| (2) ¥                                                          | 42,580  | (2) ¥ | 936     |
| (3) ¥                                                          | 90,245  | (3) ¥ | 261,973 |
| (4) ¥                                                          | 58,472  | (4) ¥ | 35,819  |
| (5) ¥                                                          | 948,206 | (5) ¥ | 407,681 |
| <div>As páginas seguintes trazem os exercícios (6)–(10).</div> |         | 9     |         |
|                                                                |         | (1) ¥ | 294,087 |
|                                                                |         | (2) ¥ | 204,791 |
|                                                                |         | (3) ¥ | 589     |
|                                                                |         | (4) ¥ | 7,361   |
|                                                                |         | (5) ¥ | 85,739  |

|     |                  |     |                  |
|-----|------------------|-----|------------------|
| 13  |                  | 11  |                  |
| (1) | <u>¥ 60,154</u>  | (1) | <u>¥ 2,356</u>   |
| (2) | <u>¥ 41,923</u>  | (2) | <u>¥ 801,395</u> |
| (3) | <u>¥ /89</u>     | (3) | <u>¥ 85,973</u>  |
| (4) | <u>¥ 72,364</u>  | (4) | <u>¥ 683,412</u> |
| (5) | <u>¥ 654,902</u> | (5) | <u>¥ 2,786</u>   |
| 14  |                  | 12  |                  |
| (1) | <u>¥ 89,042</u>  | (1) | <u>¥ 809,217</u> |
| (2) | <u>¥ 650,478</u> | (2) | <u>¥ 564,082</u> |
| (3) | <u>¥ 5,821</u>   | (3) | <u>¥ 76,402</u>  |
| (4) | <u>¥ 5,097</u>   | (4) | <u>¥ 9,576</u>   |
| (5) | <u>¥ 516,430</u> | (5) | <u>¥ 41,259</u>  |

|     |                    |     |                  |
|-----|--------------------|-----|------------------|
| 17  |                    | 15  |                  |
| (1) | ¥ <u>9 / 4,283</u> | (1) | ¥ <u>563,870</u> |
| (2) | ¥ <u>24,378</u>    | (2) | ¥ <u>196</u>     |
| (3) | ¥ <u>217,068</u>   | (3) | ¥ <u>450,673</u> |
| (4) | ¥ <u>17,280</u>    | (4) | ¥ <u>815</u>     |
| (5) | ¥ <u>37,061</u>    | (5) | ¥ <u>3,847</u>   |
| 18  |                    | 16  |                  |
| (1) | ¥ <u>35,426</u>    | (1) | ¥ <u>457,069</u> |
| (2) | ¥ <u>382,905</u>   | (2) | ¥ <u>76,510</u>  |
| (3) | ¥ <u>1,420</u>     | (3) | ¥ <u>63,549</u>  |
| (4) | ¥ <u>21,953</u>    | (4) | ¥ <u>360,548</u> |
| (5) | ¥ <u>89,173</u>    | (5) | ¥ <u>708,592</u> |

|     |                     |
|-----|---------------------|
| 19  |                     |
| (1) | $\frac{2}{1,937}$   |
| (2) | $\frac{2}{7,641}$   |
| (3) | $\frac{2}{308,194}$ |
| (4) | $\frac{2}{904,632}$ |
| (5) | $\frac{2}{120,384}$ |
| 20  |                     |
| (1) | $\frac{2}{781}$     |
| (2) | $\frac{2}{9,237}$   |
| (3) | $\frac{2}{932,756}$ |
| (4) | $\frac{2}{498,701}$ |
| (5) | $\frac{2}{965}$     |

## Gabarito Pré-2º kyu

### Multiplicação

|   |                   |    |                   |    |                    |    |                    |
|---|-------------------|----|-------------------|----|--------------------|----|--------------------|
| 1 | <u>7.534</u>      | 6  | <u>5,341,050</u>  | 11 | <u>¥2,212</u>      | 16 | <u>¥4,019,232</u>  |
| 2 | <u>26,588,700</u> | 7  | <u>45,366,925</u> | 12 | <u>¥7,576,296</u>  | 17 | <u>¥30,836,700</u> |
| 3 | <u>1.191</u>      | 8  | <u>51,235,240</u> | 13 | <u>¥13,804,773</u> | 18 | <u>¥297</u>        |
| 4 | <u>66,897.832</u> | 9  | <u>0.134</u>      | 14 | <u>¥84,477,250</u> | 19 | <u>¥1,259</u>      |
| 5 | <u>12,340.532</u> | 10 | <u>18,597,341</u> | 15 | <u>¥506,700</u>    | 20 | <u>¥36,054,018</u> |

### Divisão

|   |              |    |               |    |               |    |                |
|---|--------------|----|---------------|----|---------------|----|----------------|
| 1 | <u>6.714</u> | 6  | <u>5,342</u>  | 11 | <u>¥684</u>   | 16 | <u>¥20,168</u> |
| 2 | <u>968</u>   | 7  | <u>4,093</u>  | 12 | <u>¥7,091</u> | 17 | <u>¥46</u>     |
| 3 | <u>1.29</u>  | 8  | <u>0.81</u>   | 13 | <u>¥172</u>   | 18 | <u>¥3,089</u>  |
| 4 | <u>3,250</u> | 9  | <u>786</u>    | 14 | <u>¥8,625</u> | 19 | <u>¥937</u>    |
| 5 | <u>0.045</u> | 10 | <u>23,517</u> | 15 | <u>¥593</u>   | 20 | <u>¥7,450</u>  |

### Somas

|   |                    |    |                    |
|---|--------------------|----|--------------------|
| 1 | <u>¥24,536,790</u> | 6  | <u>¥28,203,138</u> |
| 2 | <u>¥23,794,218</u> | 7  | <u>¥24,582,596</u> |
| 3 | <u>¥1,604,395</u>  | 8  | <u>¥30,616,155</u> |
| 4 | <u>¥22,563,081</u> | 9  | <u>-¥6,115,901</u> |
| 5 | <u>¥8,107,183</u>  | 10 | <u>¥23,676,498</u> |

### Cálculo de notas

|   |                   |    |                   |
|---|-------------------|----|-------------------|
| 1 | <u>¥2,609,712</u> | 6  | <u>¥2,934,135</u> |
| 2 | <u>¥1,619,172</u> | 7  | <u>¥2,558,745</u> |
| 3 | <u>¥2,218,635</u> | 8  | <u>¥2,142,045</u> |
| 4 | <u>¥3,075,399</u> | 9  | <u>¥2,574,378</u> |
| 5 | <u>¥2,348,181</u> | 10 | <u>¥2,175,399</u> |