Soroban Technology Lab

# Pre-4 Kyu

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

## Multiplication (7 min)

| | |
|---|---|
| 1 | 529 × 637 = |
| 2 | 234 × 908 = |
| 3 | 3,602 × 35 = |
| 4 | 985 × 871 = |
| 5 | 703 × 580 = |
| 6 | 65 × 2,082 = |
| 7 | 990 × 789 = |
| 8 | 166 × 254 = |

| | |
|---|---|
| 9 | 2,031 × 664 = |
| 10 | 819 × 2,541 = |
| 11 | 541 × 3,937 = |
| 12 | 8,707 × 116 = |
| 13 | 4,357 × 693 = |
| 14 | 684 × 7,150 = |
| 15 | 7,648 × 405 = |

## Division (7 min)

| | |
|---|---|
| 1 | 23,848 ÷ 271 = |
| 2 | 17,940 ÷ 52 = |
| 3 | 16,280 ÷ 407 = |
| 4 | 23,463 ÷ 33 = |
| 5 | 34,528 ÷ 664 = |
| 6 | 44,730 ÷ 497 = |
| 7 | 35,560 ÷ 70 = |
| 8 | 11,055 ÷ 55 = |

| | |
|---|---|
| 9 | 88,650 ÷ 225 = |
| 10 | 550,528 ÷ 88 = |
| 11 | 252,774 ÷ 906 = |
| 12 | 789,412 ÷ 893 = |
| 13 | 123,595 ÷ 1,301 = |
| 14 | 41,088 ÷ 384 = |
| 15 | 614,010 ÷ 970 = |

## Mental Calculation (3 min)

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| 26 | 43 | 57 | 95 | 30 |
| 31 | 50 | 23 | 24 | 38 |
| 14 | 37 | 17 | 71 | 45 |
| 70 | 89 | 10 | 45 | 68 |
| 56 | 42 | 36 | 80 | 20 |
| | | | | |

| 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|
| 60 | 49 | 14 | 15 | 40 |
| 14 | 48 | 62 | 13 | 17 |
| 74 | 95 | 29 | 29 | 64 |
| 73 | 87 | 24 | 58 | 34 |
| 28 | 27 | 78 | 95 | 16 |
| | | | | |

| 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|
| 47 | 34 | 89 | 69 | 57 |
| 27 | 58 | 78 | 49 | 72 |
| 74 | 40 | 87 | 48 | 62 |
| 80 | 80 | 92 | 29 | 89 |
| 65 | 83 | 52 | 26 | 58 |
| | | | | |

Soroban Technology Lab

Pre-4 Kyu Sums (7 min)

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

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| 9,530 | 103 | 742 | 4,290 | 4,015 |
| 768 | 9,324 | −503 | 176 | 2,573 |
| 9,246 | 2,087 | 8,697 | 490 | −3,194 |
| 1,570 | 4,956 | −4,531 | 3,258 | 5,870 |
| 392 | 5,178 | −2,069 | 6,371 | −102 |
| 7,584 | 1,092 | 4,710 | 8,026 | 869 |
| 3,601 | 463 | 5,238 | 1,945 | −7,534 |
| | | | | |

| 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|
| 7,694 | 8,372 | 8,071 | 8,067 | 3,096 |
| 1,052 | 501 | 129 | 1,480 | 9,281 |
| 9,830 | −7,935 | 9,046 | −794 | 7,340 |
| 4,675 | −204 | 2,837 | −3,512 | 569 |
| 786 | 4,683 | 7,215 | 1,607 | 2,876 |
| 195 | −2,890 | 538 | −6,489 | 4,583 |
| 4,302 | 6,715 | 6,409 | 325 | 109 |
| | | | | |

| 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|
| 805 | 6,109 | 8,476 | 2,405 | 9,216 |
| 1,924 | 730 | 201 | 738 | 7,045 |
| 7,051 | 6,478 | −490 | 1,320 | −629 |
| 2,634 | 3,159 | 3,256 | 6,458 | −3,801 |
| 8,019 | 2,935 | −7,813 | 172 | 547 |
| 654 | 8,476 | 4,609 | 3,948 | −9,018 |
| 7,283 | 201 | −7,528 | 6,075 | 3,652 |
| | | | | |

# Answers Pre-4 Kyu

## Multiplication

| | | | | | |
|---|---|---|---|---|---|
| 1 | 336,973 | 6 | 135,330 | 11 | 2,129,917 |
| 2 | 212,472 | 7 | 781,110 | 12 | 1,010,012 |
| 3 | 126,070 | 8 | 42,164 | 13 | 3,019,401 |
| 4 | 857,935 | 9 | 1,348,584 | 14 | 4,890,600 |
| 5 | 407,740 | 10 | 2,081,079 | 15 | 3,097,440 |

## Division

| | | | | | |
|---|---|---|---|---|---|
| 1 | 88 | 6 | 90 | 11 | 279 |
| 2 | 345 | 7 | 508 | 12 | 884 |
| 3 | 40 | 8 | 201 | 13 | 95 |
| 4 | 711 | 9 | 394 | 14 | 107 |
| 5 | 52 | 10 | 6,256 | 15 | 633 |

## Sums

| | | | | | |
|---|---|---|---|---|---|
| 1 | 32,691 | 6 | 28,534 | 11 | 28,370 |
| 2 | 23,203 | 7 | 9,242 | 12 | 28,088 |
| 3 | 12,284 | 8 | 34,245 | 13 | 711 |
| 4 | 24,556 | 9 | 684 | 14 | 21,116 |
| 5 | 2,497 | 10 | 27,854 | 15 | 7,012 |

## Mental Calculation

| | | | | | |
|---|---|---|---|---|---|
| 1 | 197 | 6 | 249 | 11 | 293 |
| 2 | 261 | 7 | 306 | 12 | 295 |
| 3 | 143 | 8 | 207 | 13 | 398 |
| 4 | 315 | 9 | 210 | 14 | 221 |
| 5 | 201 | 10 | 171 | 15 | 338 |