

Soroban Technology Lab

Junior Multiplication (3 min)

No.		Name	
Date		Score	

(Note) 1–15: Round to 3 decimal places

16–30: Round to the nearest yen

○ ×

1	$3,767 \times 704 =$	
2	$0.9806 \times 0.179 =$	
3	$5,905 \times 556 =$	
4	$415 \times 0.0612 =$	
5	$7,383 \times 84.3 =$	
6	$0.0268 \times 62.5 =$	
7	$8,949 \times 481 =$	
8	$61.21 \times 93.8 =$	
9	$15,044 \times 27 =$	
10	$2,372 \times 390 =$	
11	$7,182 \times 234 =$	
12	$821.6 \times 95.3 =$	
13	$2,069 \times 0.302 =$	
14	$5,964 \times 669 =$	
15	$0.0433 \times 0.875 =$	
16	$¥ 6,750 \times 0.016 =$	
17	$¥ 45,048 \times 51 =$	
18	$¥ 3,291 \times 0.427 =$	
19	$¥ 9,737 \times 180 =$	
20	$¥ 185 \times 749.8 =$	
21	$¥ 4,868 \times 407 =$	
22	$¥ 6,250 \times 3.28 =$	
23	$¥ 7,856 \times 0.875 =$	
24	$¥ 5,394 \times 90.5 =$	
25	$¥ 31,425 \times 0.24 =$	
26	$¥ 9,771 \times 799 =$	
27	$¥ 8,919 \times 683 =$	
28	$¥ 3,643 \times 116 =$	
29	$¥ 102 \times 0.0342 =$	
30	$¥ 2,007 \times 561 =$	

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Junior Division (3 min)

No.		Name	
Date		Score	

(Note) 1–15: Round to 3 decimal places

16–30: Round to the nearest yen

○ ×

1	$337,125 \div 435 =$	
2	$941.16 \div 759 =$	
3	$525,546 \div 903 =$	
4	$131,018 \div 218 =$	
5	$0.89069 \div 0.37 =$	
6	$82.628 \div 0.091 =$	
7	$0.83538 \div 1.82 =$	
8	$392,460 \div 620 =$	
9	$175,026 \div 5,646 =$	
10	$78,310.4 \div 87.4 =$	
11	$536,760 \div 7,560 =$	
12	$0.07491 \div 0.084 =$	
13	$31.5288 \div 0.348 =$	
14	$22.9313 \div 4.7 =$	
15	$348,920 \div 572 =$	
16	$\yen 319,662 \div 903 =$	
17	$\yen 170 \div 1.36 =$	
18	$\yen 445 \div 0.819 =$	
19	$\yen 106,797 \div 291 =$	
20	$\yen 130 \div 0.625 =$	
21	$\yen 114,884 \div 77 =$	
22	$\yen 21 \div 0.031 =$	
23	$\yen 165 \div 0.625 =$	
24	$\yen 288 \div 0.384 =$	
25	$\yen 270,578 \div 502 =$	
26	$\yen 51,792 \div 249 =$	
27	$\yen 83,997 \div 91.8 =$	
28	$\yen 94,276 \div 196 =$	
29	$\yen 371,789 \div 463 =$	
30	$\yen 2,907 \div 80.75 =$	

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Junior Sums (3 min)

No.		Name	
Date		Score	

No.	1	2	3	4	5
1	¥ 628,291	¥ 553,826	¥ 902,194	¥ 461,698	¥ 892,376
2	245,703	701,094	761,953	172,350	650,452
3	807,156	-136,743	820,676	-320,784	971,637
4	970,244	-258,912	234,538	-215,398	384,501
5	651,938	746,098	105,479	570,946	826,990
6	196,520	377,140	584,638	693,071	103,684
7	334,687	-489,562	796,210	454,287	217,045
8	742,015	-901,655	931,022	-836,115	468,729
9	483,869	812,337	359,745	-709,823	539,068
10	519,072	620,489	647,801	946,502	745,213
Sum					

No.	6	7	8	9	10
1	¥ 288,716	¥ 380,952	¥ 590,786	¥ 438,602	¥ 629,324
2	833,905	714,608	-172,841	252,917	701,658
3	250,047	285,346	-290,637	908,794	-397,010
4	615,934	639,057	537,469	631,805	-259,184
5	176,182	842,718	841,520	127,364	748,863
6	397,594	521,069	674,013	890,478	370,559
7	536,280	294,793	958,432	213,526	164,042
8	492,178	463,835	-782,965	341,050	-815,936
9	807,656	976,180	-319,102	674,639	-932,771
10	921,403	150,274	465,078	589,721	486,205
Sum					

No.	11	12	13	14	15
1	¥ 610,593	¥ 367,195	¥ 721,540	¥ 738,924	¥ 750,613
2	706,924	453,980	967,384	951,206	418,279
3	294,835	801,724	-639,250	245,037	324,850
4	170,469	279,861	-146,872	521,849	609,421
5	217,385	396,045	509,381	367,018	-793,856
6	942,607	570,382	784,196	472,351	-108,294
7	351,486	196,407	-293,065	829,406	537,168
8	839,721	425,698	-805,413	180,695	976,305
9	563,910	714,359	418,627	806,573	-249,037
10	425,078	682,013	352,709	793,412	-861,542
Sum					

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Junior Mental Multiplication (1 min)

No.		Name	
Date		Score	

○ ×

1	$47 \times 17 =$	
2	$86 \times 64 =$	
3	$23 \times 89 =$	
4	$52 \times 94 =$	
5	$14 \times 39 =$	
6	$75 \times 45 =$	
7	$89 \times 38 =$	
8	$35 \times 56 =$	
9	$61 \times 72 =$	
10	$93 \times 21 =$	
11	$51 \times 12 =$	
12	$65 \times 88 =$	
13	$84 \times 46 =$	
14	$97 \times 71 =$	
15	$34 \times 62 =$	
16	$48 \times 29 =$	
17	$13 \times 73 =$	
18	$23 \times 51 =$	
19	$72 \times 94 =$	
20	$96 \times 35 =$	
21	$57 \times 53 =$	
22	$43 \times 24 =$	
23	$19 \times 49 =$	
24	$98 \times 87 =$	
25	$48 \times 62 =$	
26	$75 \times 94 =$	
27	$62 \times 81 =$	
28	$26 \times 35 =$	
29	$87 \times 76 =$	
30	$31 \times 12 =$	

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Junior Mental Division (1 min)

No.		Name	
Date		Score	

○ ×

1	$1,144 \div 88 =$	
2	$2,772 \div 66 =$	
3	$2,254 \div 23 =$	
4	$1,470 \div 42 =$	
5	$2,100 \div 75 =$	
6	$3,927 \div 51 =$	
7	$2,072 \div 37 =$	
8	$7,896 \div 94 =$	
9	$1,159 \div 19 =$	
10	$4,029 \div 51 =$	
11	$1,484 \div 28 =$	
12	$2,340 \div 52 =$	
13	$1,164 \div 97 =$	
14	$5,325 \div 75 =$	
15	$1,261 \div 13 =$	
16	$2,418 \div 39 =$	
17	$2,856 \div 84 =$	
18	$1,131 \div 39 =$	
19	$4,148 \div 61 =$	
20	$3,956 \div 46 =$	
21	$1,664 \div 64 =$	
22	$2,001 \div 23 =$	
23	$4,628 \div 89 =$	
24	$3,825 \div 45 =$	
25	$3,712 \div 58 =$	
26	$3,367 \div 91 =$	
27	$3,276 \div 36 =$	
28	$988 \div 76 =$	
29	$833 \div 17 =$	
30	$3,276 \div 42 =$	

Soroban Technology Lab

Junior Mental Sums (1 min 20 s)

No.		Name	
Date		Score	

No.	1	2	3	4	5
1	994	632	294	720	941
2	726	908	160	599	-382
3	530	-417	853	261	-506
4	142	-905	978	483	675
5	619	183	614	537	397
6	875	527	302	686	418
7	303	246	517	120	820
8	952	571	286	704	259
9	480	-840	439	912	-163
10	761	-369	705	358	-704
Sum					

No.	6	7	8	9	10
1	586	680	461	699	723
2	102	947	115	205	495
3	943	-312	203	318	168
4	251	-953	780	574	-370
5	309	420	849	438	-526
6	675	167	522	206	840
7	438	805	637	147	-901
8	897	274	104	950	-369
9	514	-381	956	731	254
10	260	-569	378	862	187
Sum					

No.	11	12	13	14	15
1	953	532	135	660	764
2	708	106	587	237	841
3	412	978	409	-589	302
4	397	740	923	-142	739
5	135	-689	208	393	854
6	820	-314	771	704	296
7	604	205	546	-815	107
8	231	957	650	-421	513
9	579	-821	894	708	920
10	486	-463	312	956	468
Sum					

Answers Junior

Multiplication

1	<u>2,651,968</u>	7	<u>4,304,469</u>	13	<u>624.838</u>	19	<u>¥1,752,660</u>	25	<u>¥7,542</u>
2	<u>0.176</u>	8	<u>5,741.498</u>	14	<u>3,989,916</u>	20	<u>¥138,713</u>	26	<u>¥7,807,029</u>
3	<u>3,283,180</u>	9	<u>406,188</u>	15	<u>0.038</u>	21	<u>¥1,981,276</u>	27	<u>¥6,091,677</u>
4	<u>25.398</u>	10	<u>925,080</u>	16	<u>¥108</u>	22	<u>¥20,500</u>	28	<u>¥422,588</u>
5	<u>622,386.9</u>	11	<u>1,680,588</u>	17	<u>¥2,297,448</u>	23	<u>¥6,874</u>	29	<u>¥3</u>
6	<u>1.675</u>	12	<u>78,298.48</u>	18	<u>¥1,405</u>	24	<u>¥488,157</u>	30	<u>¥1,125,927</u>

Division

1	<u>775</u>	7	<u>0.459</u>	13	<u>90.6</u>	19	<u>¥367</u>	25	<u>¥539</u>
2	<u>1.24</u>	8	<u>633</u>	14	<u>4.879</u>	20	<u>¥208</u>	26	<u>¥208</u>
3	<u>582</u>	9	<u>31</u>	15	<u>610</u>	21	<u>¥1,492</u>	27	<u>¥915</u>
4	<u>601</u>	10	<u>896</u>	16	<u>¥354</u>	22	<u>¥677</u>	28	<u>¥481</u>
5	<u>2.407</u>	11	<u>71</u>	17	<u>¥125</u>	23	<u>¥264</u>	29	<u>¥803</u>
6	<u>908</u>	12	<u>0.892</u>	18	<u>¥543</u>	24	<u>¥750</u>	30	<u>¥36</u>

Sums

1	<u>¥5,579,495</u>	6	<u>¥5,319,895</u>	11	<u>¥5,123,008</u>
2	<u>¥2,024,112</u>	7	<u>¥5,268,832</u>	12	<u>¥4,887,664</u>
3	<u>¥6,144,256</u>	8	<u>¥2,501,753</u>	13	<u>¥1,869,237</u>
4	<u>¥1,216,734</u>	9	<u>¥5,068,896</u>	14	<u>¥5,906,471</u>
5	<u>¥5,799,695</u>	10	<u>¥695,750</u>	15	<u>¥1,603,907</u>

Mental Multiplication

1	<u>799</u>	7	<u>3,382</u>	13	<u>3,864</u>	19	<u>6,768</u>	25	<u>2,976</u>
2	<u>5,504</u>	8	<u>1,960</u>	14	<u>6,887</u>	20	<u>3,360</u>	26	<u>7,050</u>
3	<u>2,047</u>	9	<u>4,392</u>	15	<u>2,108</u>	21	<u>3,021</u>	27	<u>5,022</u>
4	<u>4,888</u>	10	<u>1,953</u>	16	<u>1,392</u>	22	<u>1,032</u>	28	<u>910</u>
5	<u>546</u>	11	<u>612</u>	17	<u>949</u>	23	<u>931</u>	29	<u>6,612</u>
6	<u>3,375</u>	12	<u>5,720</u>	18	<u>1,173</u>	24	<u>8,526</u>	30	<u>372</u>

Mental Division

1	<u>13</u>	7	<u>56</u>	13	<u>12</u>	19	<u>68</u>	25	<u>64</u>
2	<u>42</u>	8	<u>84</u>	14	<u>71</u>	20	<u>86</u>	26	<u>37</u>
3	<u>98</u>	9	<u>61</u>	15	<u>97</u>	21	<u>26</u>	27	<u>91</u>
4	<u>35</u>	10	<u>79</u>	16	<u>62</u>	22	<u>87</u>	28	<u>13</u>
5	<u>28</u>	11	<u>53</u>	17	<u>34</u>	23	<u>52</u>	29	<u>49</u>
6	<u>77</u>	12	<u>45</u>	18	<u>29</u>	24	<u>85</u>	30	<u>78</u>

Mental Sums

1	<u>6,382</u>	6	<u>4,975</u>	11	<u>5,325</u>
2	<u>536</u>	7	<u>1,078</u>	12	<u>1,231</u>
3	<u>5,148</u>	8	<u>5,005</u>	13	<u>5,435</u>
4	<u>5,380</u>	9	<u>5,130</u>	14	<u>1,691</u>
5	<u>1,755</u>	10	<u>501</u>	15	<u>5,804</u>