

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	$9,866 \times 980 =$	
2	$5,519 \times 1.61 =$	
3	$0.477 \times 0.0394 =$	
4	$7,093 \times 846 =$	
5	$0.0475 \times 41.2 =$	
6	$1,392 \times 0.205 =$	
7	$6,208 \times 559 =$	
8	$38,104 \times 37 =$	
9	$8,235 \times 673 =$	
10	$246.1 \times 72.8 =$	
11	$8,019 \times 107 =$	
12	$0.0173 \times 0.374 =$	
13	$34,908 \times 82 =$	
14	$5,426 \times 0.235 =$	
15	$763.4 \times 5.81 =$	
16	$¥ 6,957 \times 459 =$	
17	$¥ 9,625 \times 0.016 =$	
18	$¥ 250 \times 7.968 =$	
19	$¥ 4,831 \times 9.43 =$	
20	$¥ 1,872 \times 620 =$	
21	$¥ 204 \times 4,408 =$	
22	$¥ 4,707 \times 0.067 =$	
23	$¥ 9,230 \times 19.2 =$	
24	$¥ 75,816 \times 0.75 =$	
25	$¥ 8,443 \times 913 =$	
26	$¥ 1,598 \times 68.5 =$	
27	$¥ 6,375 \times 0.576 =$	
28	$¥ 3,069 \times 239 =$	
29	$¥ 8,292 \times 824 =$	
30	$¥ 5,611 \times 301 =$	

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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	$599,841 \div 8,217 =$	
2	$426.474 \div 0.774 =$	
3	$454,152 \div 596 =$	
4	$51,772 \div 43 =$	
5	$4,392.74 \div 90.2 =$	
6	$0.015112 \div 0.049 =$	
7	$306,280 \div 380 =$	
8	$15,691.2 \div 168 =$	
9	$68,145 \div 231 =$	
10	$4,054.45 \div 65.5 =$	
11	$454,116 \div 492 =$	
12	$3.0503 \div 0.059 =$	
13	$0.165731 \div 0.193 =$	
14	$41,947.2 \div 971 =$	
15	$209,350 \div 530 =$	
16	$\yen 5,102 \div 0.84 =$	
17	$\yen 49,446 \div 246 =$	
18	$\yen 59,904 \div 76.8 =$	
19	$\yen 1,092 \div 68.25 =$	
20	$\yen 148,356 \div 317 =$	
21	$\yen 374,218 \div 962 =$	
22	$\yen 238,871 \div 53 =$	
23	$\yen 99 \div 0.375 =$	
24	$\yen 14 \div 0.016 =$	
25	$\yen 369,759 \div 499 =$	
26	$\yen 11,419 \div 60.1 =$	
27	$\yen 173,162 \div 187 =$	
28	$\yen 120,016 \div 2,308 =$	
29	$\yen 46,041 \div 74.5 =$	
30	$\yen 250 \div 0.824 =$	

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Junior Sums (3 min)

No.		Name	
Date		Score	

No.	1	2	3	4	5
1	¥ 340,079	¥ 348,147	¥ 351,495	¥ 639,170	¥ 375,480
2	581,642	956,203	673,820	488,925	569,312
3	869,751	200,816	190,674	562,237	892,107
4	302,967	955,728	-206,848	186,041	-107,624
5	231,548	619,147	-792,315	593,470	-948,356
6	128,403	393,062	463,530	716,724	615,248
7	617,935	178,554	-148,792	305,859	790,863
8	970,068	729,083	-209,186	844,306	129,705
9	453,826	401,369	985,027	921,768	-284,531
10	795,214	862,475	534,761	250,913	-436,079
Sum					

No.	6	7	8	9	10
1	¥ 269,534	¥ 673,819	¥ 591,042	¥ 419,278	¥ 703,128
2	713,280	430,275	972,803	956,034	-485,963
3	976,438	529,830	-457,268	670,213	-156,079
4	735,204	815,603	-843,912	298,156	829,547
5	850,691	162,497	570,136	983,407	241,630
6	578,049	748,560	964,718	805,792	730,216
7	420,316	193,628	-329,045	317,640	394,805
8	682,753	957,031	-260,381	564,381	512,794
9	194,827	704,952	684,570	723,905	-678,352
10	301,965	281,346	135,927	142,869	-960,481
Sum					

No.	11	12	13	14	15
1	¥ 317,859	¥ 591,352	¥ 204,983	¥ 971,246	¥ 973,464
2	906,023	820,746	156,317	803,785	801,520
3	881,674	963,480	409,852	920,197	-978,153
4	225,190	-815,072	561,074	647,542	-586,321
5	763,745	-376,491	623,927	561,853	694,702
6	952,931	401,683	384,860	478,920	867,498
7	439,068	-657,924	957,103	386,001	230,514
8	140,526	-189,305	172,599	295,663	115,279
9	678,802	702,869	845,606	104,719	-340,086
10	594,317	234,157	438,721	732,584	-729,635
Sum					

Soroban Technology Lab

Junior Mental Multiplication (1 min)

No.		Name	
Date		Score	

○ ×

1	$18 \times 39 =$	
2	$29 \times 15 =$	
3	$45 \times 78 =$	
4	$74 \times 64 =$	
5	$57 \times 96 =$	
6	$61 \times 42 =$	
7	$36 \times 89 =$	
8	$83 \times 63 =$	
9	$47 \times 21 =$	
10	$92 \times 57 =$	
11	$87 \times 12 =$	
12	$16 \times 21 =$	
13	$95 \times 36 =$	
14	$78 \times 54 =$	
15	$28 \times 93 =$	
16	$63 \times 65 =$	
17	$32 \times 47 =$	
18	$71 \times 88 =$	
19	$54 \times 79 =$	
20	$49 \times 89 =$	
21	$52 \times 54 =$	
22	$25 \times 35 =$	
23	$38 \times 78 =$	
24	$47 \times 28 =$	
25	$51 \times 61 =$	
26	$19 \times 96 =$	
27	$63 \times 49 =$	
28	$92 \times 32 =$	
29	$74 \times 17 =$	
30	$86 \times 83 =$	

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Junior Mental Division (1 min)

No.		Name	
Date		Score	

○ ×

1	$2,444 \div 47 =$	
2	$2,772 \div 63 =$	
3	$7,524 \div 99 =$	
4	$663 \div 51 =$	
5	$2,730 \div 35 =$	
6	$1,520 \div 16 =$	
7	$4,524 \div 52 =$	
8	$4,828 \div 71 =$	
9	$1,848 \div 88 =$	
10	$936 \div 24 =$	
11	$532 \div 38 =$	
12	$2,418 \div 93 =$	
13	$1,116 \div 36 =$	
14	$4,347 \div 69 =$	
15	$504 \div 12 =$	
16	$3,888 \div 54 =$	
17	$6,958 \div 71 =$	
18	$4,165 \div 49 =$	
19	$1,809 \div 27 =$	
20	$5,015 \div 85 =$	
21	$1,479 \div 17 =$	
22	$1,702 \div 46 =$	
23	$8,099 \div 91 =$	
24	$1,932 \div 42 =$	
25	$5,035 \div 53 =$	
26	$1,176 \div 84 =$	
27	$3,876 \div 76 =$	
28	$1,820 \div 65 =$	
29	$2,088 \div 29 =$	
30	$2,394 \div 38 =$	

Soroban Technology Lab

Junior Mental Sums (1 min 20 s)

No.		Name	
Date		Score	

No.	1	2	3	4	5
1	789	614	842	347	746
2	574	439	956	281	571
3	620	270	-201	560	-302
4	193	557	-987	454	-190
5	738	109	720	719	924
6	406	246	315	822	675
7	245	783	-664	306	358
8	907	461	-578	943	-280
9	351	358	429	678	-617
10	862	902	103	105	439
Sum					

No.	6	7	8	9	10
1	564	184	420	796	981
2	622	938	187	902	334
3	798	702	659	418	572
4	107	845	301	580	-650
5	310	529	-242	665	-871
6	856	606	-373	349	906
7	941	711	865	127	425
8	675	493	904	853	-263
9	489	837	-796	204	-407
10	203	250	-518	971	198
Sum					

No.	11	12	13	14	15
1	359	291	836	976	517
2	210	426	209	312	308
3	548	780	741	840	629
4	962	873	205	706	145
5	685	365	-516	864	-290
6	107	912	-794	295	-448
7	433	404	983	381	763
8	704	127	637	607	576
9	581	538	-120	459	-932
10	926	609	-458	123	-801
Sum					

Answers Junior

Multiplication

1	<u>9,668,680</u>	7	<u>3,470,272</u>	13	<u>2,862,456</u>	19	<u>¥45,556</u>	25	<u>¥7,708,459</u>
2	<u>8,885.59</u>	8	<u>1,409,848</u>	14	<u>1,275.11</u>	20	<u>¥1,160,640</u>	26	<u>¥109,463</u>
3	<u>0.019</u>	9	<u>5,542,155</u>	15	<u>4,435.354</u>	21	<u>¥899,232</u>	27	<u>¥3,672</u>
4	<u>6,000,678</u>	10	<u>17,916.08</u>	16	<u>¥3,193,263</u>	22	<u>¥315</u>	28	<u>¥733,491</u>
5	<u>1.957</u>	11	<u>858,033</u>	17	<u>¥154</u>	23	<u>¥177,216</u>	29	<u>¥6,832,608</u>
6	<u>285.36</u>	12	<u>0.006</u>	18	<u>¥1,992</u>	24	<u>¥56,862</u>	30	<u>¥1,688,911</u>

Division

1	<u>73</u>	7	<u>806</u>	13	<u>0.859</u>	19	<u>¥16</u>	25	<u>¥741</u>
2	<u>551</u>	8	<u>93.4</u>	14	<u>43.2</u>	20	<u>¥468</u>	26	<u>¥190</u>
3	<u>762</u>	9	<u>295</u>	15	<u>395</u>	21	<u>¥389</u>	27	<u>¥926</u>
4	<u>1,204</u>	10	<u>61.9</u>	16	<u>¥6,074</u>	22	<u>¥4,507</u>	28	<u>¥52</u>
5	<u>48.7</u>	11	<u>923</u>	17	<u>¥201</u>	23	<u>¥264</u>	29	<u>¥618</u>
6	<u>0.308</u>	12	<u>51.7</u>	18	<u>¥780</u>	24	<u>¥875</u>	30	<u>¥303</u>

Sums

1	<u>¥5,291,433</u>	6	<u>¥5,723,057</u>	11	<u>¥5,900,135</u>
2	<u>¥5,644,584</u>	7	<u>¥5,497,541</u>	12	<u>¥1,675,495</u>
3	<u>¥1,842,166</u>	8	<u>¥2,028,590</u>	13	<u>¥4,755,042</u>
4	<u>¥5,509,413</u>	9	<u>¥5,881,675</u>	14	<u>¥5,902,510</u>
5	<u>¥1,596,125</u>	10	<u>¥1,131,245</u>	15	<u>¥1,048,782</u>

Mental Multiplication

1	<u>702</u>	7	<u>3,204</u>	13	<u>3,420</u>	19	<u>4,266</u>	25	<u>3,111</u>
2	<u>435</u>	8	<u>5,229</u>	14	<u>4,212</u>	20	<u>4,361</u>	26	<u>1,824</u>
3	<u>3,510</u>	9	<u>987</u>	15	<u>2,604</u>	21	<u>2,808</u>	27	<u>3,087</u>
4	<u>4,736</u>	10	<u>5,244</u>	16	<u>4,095</u>	22	<u>875</u>	28	<u>2,944</u>
5	<u>5,472</u>	11	<u>1,044</u>	17	<u>1,504</u>	23	<u>2,964</u>	29	<u>1,258</u>
6	<u>2,562</u>	12	<u>336</u>	18	<u>6,248</u>	24	<u>1,316</u>	30	<u>7,138</u>

Mental Division

1	<u>52</u>	7	<u>87</u>	13	<u>31</u>	19	<u>67</u>	25	<u>95</u>
2	<u>44</u>	8	<u>68</u>	14	<u>63</u>	20	<u>59</u>	26	<u>14</u>
3	<u>76</u>	9	<u>21</u>	15	<u>42</u>	21	<u>87</u>	27	<u>51</u>
4	<u>13</u>	10	<u>39</u>	16	<u>72</u>	22	<u>37</u>	28	<u>28</u>
5	<u>78</u>	11	<u>14</u>	17	<u>98</u>	23	<u>89</u>	29	<u>72</u>
6	<u>95</u>	12	<u>26</u>	18	<u>85</u>	24	<u>46</u>	30	<u>63</u>

Mental Sums

1	<u>5,685</u>	6	<u>5,565</u>	11	<u>5,515</u>
2	<u>4,739</u>	7	<u>6,095</u>	12	<u>5,325</u>
3	<u>935</u>	8	<u>1,407</u>	13	<u>1,723</u>
4	<u>5,215</u>	9	<u>5,865</u>	14	<u>5,563</u>
5	<u>2,324</u>	10	<u>1,225</u>	15	<u>467</u>