

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	$1,682 \times 537 =$	
2	$7,207 \times 4.96 =$	
3	$9,034 \times 921 =$	
4	$453.78 \times 6.2 =$	
5	$3,193 \times 309 =$	
6	$0.2459 \times 0.183 =$	
7	$608 \times 2,510 =$	
8	$8,416 \times 0.075 =$	
9	$5,961 \times 864 =$	
10	$0.0275 \times 74.8 =$	
11	$43,593 \times 65 =$	
12	$6,329 \times 0.872 =$	
13	$7,487 \times 559 =$	
14	$0.046 \times 0.7387 =$	
15	$36.02 \times 42.1 =$	
16	$¥ 2,875 \times 0.096 =$	
17	$¥ 5,098 \times 2.63 =$	
18	$¥ 8,211 \times 910 =$	
19	$¥ 9,614 \times 304 =$	
20	$¥ 1,750 \times 0.148 =$	
21	$¥ 9,631 \times 588 =$	
22	$¥ 6,250 \times 0.892 =$	
23	$¥ 4,187 \times 269 =$	
24	$¥ 8,069 \times 704 =$	
25	$¥ 913 \times 4,307 =$	
26	$¥ 3,894 \times 173 =$	
27	$¥ 5,048 \times 0.625 =$	
28	$¥ 1,475 \times 3.16 =$	
29	$¥ 2,732 \times 0.041 =$	
30	$¥ 72,056 \times 9.5 =$	

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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	$886,402 \div 937 =$	
2	$0.78435 \div 5.81 =$	
3	$3.5264 \div 0.064 =$	
4	$167,485 \div 215 =$	
5	$518,836 \div 859 =$	
6	$470.52 \div 1.2 =$	
7	$0.222618 \div 0.776 =$	
8	$172,584 \div 423 =$	
9	$3,841.74 \div 6,098 =$	
10	$272,680 \div 340 =$	
11	$449,102 \div 862 =$	
12	$18.2106 \div 60.3 =$	
13	$0.78012 \div 3.94 =$	
14	$310,060 \div 419 =$	
15	$0.01448 \div 0.031 =$	
16	$¥ 672 \div 1.75 =$	
17	$¥ 220,720 \div 2,480 =$	
18	$¥ 684,936 \div 756 =$	
19	$¥ 2,552 \div 9.28 =$	
20	$¥ 3,507 \div 0.57 =$	
21	$¥ 53,664 \div 104 =$	
22	$¥ 832,893 \div 887 =$	
23	$¥ 540 \div 0.625 =$	
24	$¥ 54 \div 0.072 =$	
25	$¥ 43,239 \div 213 =$	
26	$¥ 348,223 \div 7,409 =$	
27	$¥ 102,128 \div 491 =$	
28	$¥ 359 \div 0.968 =$	
29	$¥ 24,437 \div 3.5 =$	
30	$¥ 7,772 \div 53.6 =$	

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Junior Sums (3 min)

No.		Name	
Date		Score	

No.	1	2	3	4	5
1	¥ 903,681	¥ 126,374	¥ 906,312	¥ 733,104	¥ 135,272
2	542,179	569,805	753,489	862,059	706,498
3	807,264	742,310	460,827	-575,216	481,980
4	435,179	-598,123	801,175	-849,674	624,735
5	856,302	-640,897	465,923	102,833	565,013
6	911,427	982,518	589,672	965,908	149,369
7	384,056	374,064	170,834	621,740	617,280
8	726,835	-235,702	391,550	317,815	370,427
9	693,510	-490,631	234,746	-406,392	958,651
10	270,948	817,956	628,091	-294,587	293,804
Sum					

No.	6	7	8	9	10
1	¥ 357,492	¥ 872,108	¥ 398,270	¥ 396,802	¥ 234,913
2	806,265	-356,459	147,826	951,417	861,057
3	273,080	-127,760	596,241	684,273	689,605
4	439,751	304,598	124,305	-476,055	170,342
5	684,129	691,432	670,983	-329,810	247,598
6	806,943	468,211	805,694	748,608	453,879
7	195,217	980,357	651,732	-532,195	906,124
8	280,744	503,076	239,487	-260,743	518,376
9	561,308	-719,924	910,354	113,529	322,460
10	729,536	-236,845	762,018	807,964	795,081
Sum					

No.	11	12	13	14	15
1	¥ 763,102	¥ 870,296	¥ 391,205	¥ 241,498	¥ 206,957
2	410,758	149,437	983,648	604,173	543,128
3	378,924	310,172	136,405	957,039	-498,096
4	604,593	-245,568	324,679	163,882	-236,715
5	528,617	-968,380	705,182	475,026	817,340
6	710,846	702,794	648,950	638,815	164,582
7	692,553	571,369	223,716	349,207	379,160
8	139,482	185,048	479,083	520,961	782,934
9	941,270	-653,924	517,391	796,354	-950,473
10	876,035	-327,601	860,524	812,740	-625,801
Sum					

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Junior Mental Multiplication (1 min)

No.		Name	
Date		Score	

○ ×

1	$85 \times 84 =$	
2	$21 \times 73 =$	
3	$42 \times 33 =$	
4	$39 \times 79 =$	
5	$16 \times 25 =$	
6	$77 \times 48 =$	
7	$84 \times 56 =$	
8	$93 \times 67 =$	
9	$56 \times 91 =$	
10	$68 \times 12 =$	
11	$27 \times 84 =$	
12	$64 \times 25 =$	
13	$19 \times 79 =$	
14	$85 \times 92 =$	
15	$46 \times 28 =$	
16	$38 \times 31 =$	
17	$53 \times 59 =$	
18	$91 \times 13 =$	
19	$52 \times 46 =$	
20	$73 \times 67 =$	
21	$54 \times 98 =$	
22	$61 \times 41 =$	
23	$45 \times 29 =$	
24	$76 \times 62 =$	
25	$47 \times 34 =$	
26	$13 \times 75 =$	
27	$35 \times 23 =$	
28	$89 \times 87 =$	
29	$28 \times 59 =$	
30	$92 \times 16 =$	

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Junior Mental Division (1 min)

No.		Name	
Date		Score	

○ ×

1	$5,185 \div 85 =$	
2	$2,024 \div 44 =$	
3	$1,445 \div 17 =$	
4	$2,923 \div 79 =$	
5	$4,144 \div 56 =$	
6	$2,576 \div 92 =$	
7	$608 \div 38 =$	
8	$1,239 \div 21 =$	
9	$5,796 \div 63 =$	
10	$2,494 \div 58 =$	
11	$2,665 \div 41 =$	
12	$7,654 \div 86 =$	
13	$1,175 \div 47 =$	
14	$1,040 \div 65 =$	
15	$1,292 \div 17 =$	
16	$2,756 \div 52 =$	
17	$1,599 \div 39 =$	
18	$851 \div 23 =$	
19	$9,212 \div 98 =$	
20	$6,396 \div 78 =$	
21	$3,486 \div 83 =$	
22	$3,948 \div 47 =$	
23	$1,998 \div 74 =$	
24	$1,575 \div 21 =$	
25	$3,654 \div 58 =$	
26	$7,584 \div 96 =$	
27	$1,820 \div 35 =$	
28	$494 \div 13 =$	
29	$1,104 \div 69 =$	
30	$1,092 \div 12 =$	

Soroban Technology Lab

Junior Mental Sums (1 min 20 s)

No.		Name	
Date		Score	

No.	1	2	3	4	5
1	175	278	547	975	470
2	760	907	-302	108	831
3	928	361	-161	426	596
4	643	245	988	653	-229
5	239	680	265	982	-365
6	510	537	703	140	714
7	387	199	694	739	808
8	752	413	210	860	952
9	406	852	-859	317	-643
10	891	706	-437	524	-107
Sum					

No.	6	7	8	9	10
1	856	572	967	287	184
2	227	480	352	850	709
3	304	163	-180	914	232
4	151	459	-409	833	-657
5	539	616	738	101	-196
6	460	907	225	729	405
7	678	238	641	646	830
8	102	795	976	395	968
9	985	801	-504	478	-342
10	743	324	-813	502	-571
Sum					

No.	11	12	13	14	15
1	107	613	919	453	651
2	958	375	507	206	207
3	463	802	843	974	493
4	220	450	-628	192	-788
5	159	128	-762	843	-506
6	436	734	403	607	949
7	782	968	-591	915	312
8	670	354	-214	428	-275
9	895	106	870	760	-134
10	314	297	356	531	860
Sum					

Answers Junior

Multiplication

1	<u>903,234</u>	7	<u>1,526,080</u>	13	<u>4,185,233</u>	19	<u>£2,922,656</u>	25	<u>£3,932,291</u>
2	<u>35,746.72</u>	8	<u>631.2</u>	14	<u>0.034</u>	20	<u>£259</u>	26	<u>£673,662</u>
3	<u>8,320,314</u>	9	<u>5,150,304</u>	15	<u>1,516,442</u>	21	<u>£5,663,028</u>	27	<u>£3,155</u>
4	<u>2,813.436</u>	10	<u>2.057</u>	16	<u>£276</u>	22	<u>£5,575</u>	28	<u>£4,661</u>
5	<u>986,637</u>	11	<u>2,833,545</u>	17	<u>£13,408</u>	23	<u>£1,126,303</u>	29	<u>£112</u>
6	<u>0.045</u>	12	<u>5,518.888</u>	18	<u>£7,472,010</u>	24	<u>£5,680,576</u>	30	<u>£684,532</u>

Division

1	<u>946</u>	7	<u>0.287</u>	13	<u>0.198</u>	19	<u>£275</u>	25	<u>£203</u>
2	<u>0.135</u>	8	<u>408</u>	14	<u>740</u>	20	<u>£6,153</u>	26	<u>£47</u>
3	<u>55.1</u>	9	<u>0.63</u>	15	<u>0.467</u>	21	<u>£516</u>	27	<u>£208</u>
4	<u>779</u>	10	<u>802</u>	16	<u>£384</u>	22	<u>£939</u>	28	<u>£371</u>
5	<u>604</u>	11	<u>521</u>	17	<u>£89</u>	23	<u>£864</u>	29	<u>£6,982</u>
6	<u>392.1</u>	12	<u>0.302</u>	18	<u>£906</u>	24	<u>£750</u>	30	<u>£145</u>

Sums

1	<u>£6,531,381</u>	6	<u>£5,134,465</u>	11	<u>£6,046,180</u>
2	<u>£1,647,674</u>	7	<u>£2,378,794</u>	12	<u>£593,643</u>
3	<u>£5,402,619</u>	8	<u>£5,306,910</u>	13	<u>£5,270,783</u>
4	<u>£1,477,590</u>	9	<u>£2,103,790</u>	14	<u>£5,559,695</u>
5	<u>£4,903,029</u>	10	<u>£5,199,435</u>	15	<u>£583,016</u>

Mental Multiplication

1	<u>7,140</u>	7	<u>4,704</u>	13	<u>1,501</u>	19	<u>2,392</u>	25	<u>1,598</u>
2	<u>1,533</u>	8	<u>6,231</u>	14	<u>7,820</u>	20	<u>4,891</u>	26	<u>975</u>
3	<u>1,386</u>	9	<u>5,096</u>	15	<u>1,288</u>	21	<u>5,292</u>	27	<u>805</u>
4	<u>3,081</u>	10	<u>816</u>	16	<u>1,178</u>	22	<u>2,501</u>	28	<u>7,743</u>
5	<u>400</u>	11	<u>2,268</u>	17	<u>3,127</u>	23	<u>1,305</u>	29	<u>1,652</u>
6	<u>3,696</u>	12	<u>1,600</u>	18	<u>1,183</u>	24	<u>4,712</u>	30	<u>1,472</u>

Mental Division

1	<u>61</u>	7	<u>16</u>	13	<u>25</u>	19	<u>94</u>	25	<u>63</u>
2	<u>46</u>	8	<u>59</u>	14	<u>16</u>	20	<u>82</u>	26	<u>79</u>
3	<u>85</u>	9	<u>92</u>	15	<u>76</u>	21	<u>42</u>	27	<u>52</u>
4	<u>37</u>	10	<u>43</u>	16	<u>53</u>	22	<u>84</u>	28	<u>38</u>
5	<u>74</u>	11	<u>65</u>	17	<u>41</u>	23	<u>27</u>	29	<u>16</u>
6	<u>28</u>	12	<u>89</u>	18	<u>37</u>	24	<u>75</u>	30	<u>91</u>

Mental Sums

1	<u>5,691</u>	6	<u>5,045</u>	11	<u>5,004</u>
2	<u>5,178</u>	7	<u>5,355</u>	12	<u>4,827</u>
3	<u>1,648</u>	8	<u>1,993</u>	13	<u>1,703</u>
4	<u>5,724</u>	9	<u>5,735</u>	14	<u>5,909</u>
5	<u>3,027</u>	10	<u>1,562</u>	15	<u>1,769</u>