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

Soroban Technology Lab

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

Soroban Technology Lab

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					

Soroban Technology Lab

Junior Mental Multiplication (1 min)

No.		Name	
Date		Score	

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

Soroban Technology Lab

Junior Mental Division (1 min)

No.		Name	
Date		Score	

		○ ×
1	5,185 ÷ 85 =	
2	2,024 ÷ 44 =	
3	1,445 ÷ 17 =	
4	2,923 ÷ 79 =	
5	4,144 ÷ 56 =	
6	2,576 ÷ 92 =	
7	608 ÷ 38 =	
8	1,239 ÷ 21 =	
9	5,796 ÷ 63 =	
10	2,494 ÷ 58 =	
11	2,665 ÷ 41 =	
12	7,654 ÷ 86 =	
13	1,175 ÷ 47 =	
14	1,040 ÷ 65 =	
15	1,292 ÷ 17 =	
16	2,756 ÷ 52 =	
17	1,599 ÷ 39 =	
18	851 ÷ 23 =	
19	9,212 ÷ 98 =	
20	6,396 ÷ 78 =	
21	3,486 ÷ 83 =	
22	3,948 ÷ 47 =	
23	1,998 ÷ 74 =	
24	1,575 ÷ 21 =	
25	3,654 ÷ 58 =	
26	7,584 ÷ 96 =	
27	1,820 ÷ 35 =	
28	494 ÷ 13 =	
29	1,104 ÷ 69 =	
30	1,092 ÷ 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	903,234	7	1,526,080	13	4,185,233	19	¥2,922,656	25	¥3,932,291
2	35,746.72	8	631.2	14	0.034	20	¥259	26	¥673,662
3	8,320,314	9	5,150,304	15	1,516.442	21	¥5,663,028	27	¥3,155
4	2,813.436	10	2.057	16	¥276	22	¥5,575	28	¥4,661
5	986,637	11	2,833,545	17	¥13,408	23	¥1,126,303	29	¥112
6	0.045	12	5,518.888	18	¥7,472,010	24	¥5,680,576	30	¥684,532

Division

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

Sums

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

Mental Multiplication

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

Mental Division

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

Mental Sums

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