

Soroban Technology Lab

All Japan Soroban Contest: Tiebreaker Problems (10 min)

No.		Name	
Date			
Mental Sums 10 points × Number correct		Total	

(1) Mental Sums

No.	1	2	3	4	5
1	730	915	6,849	3,856	19,695
2	954	766	1,172	1,702	80,724
3	226	820	6,043	4,069	29,848
4	867	-403	3,922	-7,975	16,736
5	745	-584	5,086	4,841	73,015
6	983	972	7,830	-2,138	90,524
7	201	-431	4,476	9,262	74,380
8	147	280	9,501	-3,705	51,962
9	680	-165	3,698	-6,480	67,409
10	539	397	2,715	5,319	38,251
Sum					

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No.		Name	
Date			
Multiplication 5 points × Number correct	Division 5 points × Number correct	Sums 10 points × Number correct	Total

(2) Multiplication

No. 6	$180 \times 842 =$
7	$774 \times 401 =$
8	$2,169 \times 605 =$
9	$3,501 \times 290 =$
10	$9,042 \times 5,123 =$
11	$6,315 \times 9,174 =$
12	$81,907 \times 6,637 =$
13	$75,926 \times 1,586 =$
14	$56,738 \times 30,989 =$
15	$44,823 \times 74,258 =$

(3) Division

No. 16	$41,912 \div 403 =$
17	$345,920 \div 736 =$
18	$2,622,417 \div 827 =$
19	$727,260 \div 510 =$
20	$9,185,196 \div 1,572 =$
21	$8,843,760 \div 3,408 =$
22	$193,488,372 \div 2,079 =$
23	$659,649,240 \div 9,245 =$
24	$7,057,140,217 \div 85,961 =$
25	$4,139,550,366 \div 63,814 =$

(4) Sums

No.	26	27	28	29	30
1	289,543	6,922,743	85,169,643	620,911,487	1,658,740,289
2	561,007	4,890,105	93,607,187	235,674,809	3,879,561,024
3	638,692	-1,786,358	40,579,423	-591,547,386	8,791,046,532
4	102,453	9,637,105	86,102,750	279,305,860	6,935,771,408
5	854,917	2,481,237	64,235,519	415,627,438	4,721,658,390
6	490,639	-6,509,840	38,974,026	-703,563,129	5,407,396,218
7	771,528	4,735,931	11,468,739	-962,498,013	2,375,418,360
8	650,245	-5,624,019	28,016,395	718,072,546	8,993,065,124
9	473,881	-3,169,278	56,780,274	-384,105,972	1,580,924,733
10	936,120	8,047,526	49,851,302	146,850,293	7,062,489,156
Sum					

Answers All Japan Soroban Contest: Tiebreaker Problems

Mental Sums

1		6,072
2		2,567
3		51,292
4		8,751
5		542,544

Multiplication

6	151,560	11	57,933,810
7	310,374	12	543,616,759
8	1,312,245	13	120,418,636
9	1,015,290	14	1,758,253,882
10	46,322,166	15	3,328,466,334

Division

16	104	21	2,595
17	470	22	93,068
18	3,171	23	71,352
19	1,426	24	82,097
20	5,843	25	64,869

Sums

26	5,769,025
27	19,625,152
28	554,785,258
29	-225,272,067
30	51,406,071,234