

Soroban Technology Lab

All Japan Anzan Contest: Tiebreaker Problems (4 min)

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

(3) Mental Sums

No.	41	42	43	44	45	46	47	48	49	50
1	154	735	150	807	9,046	7,390	3,989	75,264	86,824	21,560
2	708	209	5,477	3,713	8,125	2,816	48,147	-4,046	91,907	98,347
3	323	486	634	144	2,379	-1,445	20,566	-1,385	80,341	-16,280
4	259	601	209	-2,586	1,697	-3,086	2,311	23,097	25,736	-73,947
5	491	-152	812	920	5,048	2,759	39,584	85,762	60,159	69,513
6	670	-998	8,570	7,016	3,751	5,822	7,820	7,915	37,842	55,402
7	585	347	1,493	-935	6,280	-6,604	64,071	9,421	18,274	20,788
8	710	763	965	-1,789	9,814	9,173	59,432	6,833	53,093	14,496
9	942	-510	4,326	3,058	4,963	4,901	1,708	-60,509	49,618	-39,035
10	836	824	7,081	462	7,502	8,537	5,693	42,178	72,560	82,671
Sum										

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

(1) Mental Multiplication

○ ×		
No. 1	$87 \times 7 =$	
2	$35 \times 3 =$	
3	$18 \times 4 =$	
4	$39 \times 9 =$	
5	$708 \times 6 =$	
6	$234 \times 2 =$	
7	$623 \times 5 =$	
8	$216 \times 8 =$	
9	$71 \times 60 =$	
10	$42 \times 13 =$	

○ ×		
No. 11	$17 \times 96 =$	
12	$50 \times 73 =$	
13	$786 \times 41 =$	
14	$95 \times 965 =$	
15	$490 \times 37 =$	
16	$97 \times 502 =$	
17	$652 \times 489 =$	
18	$849 \times 824 =$	
19	$603 \times 217 =$	
20	$504 \times 508 =$	

(2) Mental Division

○ ×		
No. 21	$332 \div 4 =$	
22	$252 \div 6 =$	
23	$272 \div 8 =$	
24	$102 \div 2 =$	
25	$8,280 \div 9 =$	
26	$2,535 \div 5 =$	
27	$771 \div 3 =$	
28	$2,366 \div 7 =$	
29	$920 \div 20 =$	
30	$1,320 \div 88 =$	

○ ×		
No. 31	$2,652 \div 34 =$	
32	$1,157 \div 13 =$	
33	$61,880 \div 952 =$	
34	$13,050 \div 50 =$	
35	$33,516 \div 441 =$	
36	$73,500 \div 75 =$	
37	$441,728 \div 896 =$	
38	$65,416 \div 629 =$	
39	$440,062 \div 731 =$	
40	$108,653 \div 607 =$	

Answers All Japan Anzan Contest: Tiebreaker Problems

Mental Multiplication

1	<u>567</u>	6	<u>468</u>	11	<u>1,632</u>	16	<u>48,694</u>
2	<u>105</u>	7	<u>3,115</u>	12	<u>3,650</u>	17	<u>318,828</u>
3	<u>72</u>	8	<u>1,728</u>	13	<u>32,226</u>	18	<u>699,576</u>
4	<u>351</u>	9	<u>4,260</u>	14	<u>91,675</u>	19	<u>130,851</u>
5	<u>4,248</u>	10	<u>546</u>	15	<u>18,130</u>	20	<u>256,032</u>

Mental Division

21	<u>83</u>	26	<u>507</u>	31	<u>78</u>	36	<u>980</u>
22	<u>42</u>	27	<u>257</u>	32	<u>89</u>	37	<u>493</u>
23	<u>34</u>	28	<u>338</u>	33	<u>65</u>	38	<u>104</u>
24	<u>51</u>	29	<u>46</u>	34	<u>261</u>	39	<u>602</u>
25	<u>920</u>	30	<u>15</u>	35	<u>76</u>	40	<u>179</u>

Mental Sums

41	<u>5,678</u>	46	<u>30,263</u>
42	<u>2,305</u>	47	<u>253,321</u>
43	<u>29,717</u>	48	<u>184,530</u>
44	<u>10,810</u>	49	<u>576,354</u>
45	<u>58,605</u>	50	<u>233,515</u>