Soroban Technology Lab

Mental Calculation Dan Mental Multiplication (3 min)

No.		Name	
Date		Score	

1	671 × 12 =	31	809 × 349 =
2	81 × 365 =	32	978 × 507 =
3	98 × 231 =	33	615 × 708 =
4	530 × 97 =	34	48 × 9,186 =
5	79 × 704 =	35	102 × 408 =
6	352 × 58 =	36	241 × 650 =
7	25 × 459 =	37	597 × 867 =
8	406 × 18 =	38	274 × 103 =
9	123 × 83 =	39	390 × 234 =
10	46 × 670 =	40	7,483 × 45 =
11	78 × 205 =	41	8,509 × 541 =
12	405 × 84 =	42	516 × 1,904 =
13	17 × 506 =	43	2,389 × 904 =
14	380 × 69 =	44	1,907 × 702 =
15	904 × 97 =	45	684 × 3,847 =
16	29 × 346 =	46	7,142 × 436 =
17	63 × 120 =	47	375 × 2,530 =
18	864 × 71 =	48	725 × 8,653 =
19	12 × 982 =	49	9,268 × 215 =
20	597 × 43 =	50	4,620 × 682 =
21	725 × 674 =	51	867 × 8,923 =
22	652 × 893 =	52	7,352 × 605 =
23	463 × 421 =	53	6,081 × 547 =
24	316 × 962 =	54	431 × 7,651 =
25	61 × 8,539 =	55	9,104 × 219 =
26	859 × 210 =	56	243 × 9,768 =
27	536 × 521 =	57	943 × 4,280 =
28	204 × 375 =	58	3,596 × 309 =
29	1,807 × 16 =	59	108 × 1,798 =
30	930 × 792 =	60	570 × 3,716 =

Soroban Technology Lab

Mental Calculation Dan Mental Division (3 min)

No.		Name	
Date		Score	

1	36,507 ÷ 849 =	31	456,250 ÷ 730 =
2	57,095 ÷ 601 =	32	41,724 ÷ 2,318 =
3	3,132 ÷ 18 =	33	62,232 ÷ 12 =
4	34,272 ÷ 504 =	34	767,550 ÷ 903 =
5	61,230 ÷ 785 =	35	239,742 ÷ 342 =
6	11,609 ÷ 47 =	36	542,102 ÷ 601 =
7	15,264 ÷ 16 =	37	245,864 ÷ 584 =
8	21,830 ÷ 370 =	38	119,741 ÷ 4,129 =
9	77,697 ÷ 97 =	39	450,120 ÷ 968 =
10	10,108 ÷ 28 =	40	268,600 ÷ 850 =
11	48,720 ÷ 560 =	41	1,356,320 ÷ 196 =
12	2,730 ÷ 13 =	42	3,724,344 ÷ 897 =
13	15,136 ÷ 352 =	43	3,462,186 ÷ 6,341 =
14	60,040 ÷ 632 =	44	1,300,650 ÷ 9,425 =
15	21,620 ÷ 94 =	45	4,780,944 ÷ 527 =
16	8,370 ÷ 45 =	46	2,935,149 ÷ 3,409 =
17	31,434 ÷ 806 =	47	1,920,264 ÷ 7,192 =
18	15,236 ÷ 293 =	48	1,690,983 ÷ 483 =
19	47,558 ÷ 79 =	49	2,221,398 ÷ 2,654 =
20	14,826 ÷ 21 =	50	6,918,885 ÷ 8,703 =
21	511,287 ÷ 753 =	51	1,305,227 ÷ 469 =
22	71,918 ÷ 467 =	52	461,952 ÷ 128 =
23	502,150 ÷ 605 =	53	358,358 ÷ 2,506 =
24	304,243 ÷ 829 =	54	3,651,230 ÷ 8,735 =
25	205,942 ÷ 506 =	55	4,445,550 ÷ 534 =
26	43,790 ÷ 145 =	56	4,808,438 ÷ 6,782 =
27	566,538 ÷ 987 =	57	853,848 ÷ 708 =
28	560,403 ÷ 71 =	58	8,514,450 ÷ 901 =
29	373,428 ÷ 396 =	59	2,014,740 ÷ 3,510 =
30	81,652 ÷ 274 =	60	4,260,240 ÷ 610 =

Soroban Technology Lab

Mental Calculation Dan Mental Sums (4 min)

No.		Name	
Date		Score	

No.	1	2	3	4	5
1	7,912	2,139	8,130	5,043	3,082
2	2,683	4,675	2,049	8,792	9,374
3	6,350	7,068	5,624	2,067	6,592
4	8,947	1,930	−9,573	3,849	3,650
5	2,015	8,245	−6,108	5,601	−1,748
6	8,579	6,082	7,061	6,413	−9,130
7	4,632	4,193	5,934	7,258	4,867
8	1,460	5,876	−2,890	1,980	−8,523
9	9,738	2,350	−4,287	3,596	−7,461
10	5,201	9,714	1,365	4,270	2,059
Sum					

No.	6	7	8	9	10
1	2,571	7,630	8,016	2,851	4,816
2	4,630	2,509	2,347	9,624	7,125
3	9,208	−5,941	4,568	1,375	9,702
4	3,569	−2,810	9,306	4,230	6,341
5	7,184	4,736	7,152	−6,897	5,980
6	8,703	7,401	6,420	−2,543	6,524
7	1,259	6,853	3,785	1,986	1,830
8	5,416	−9,062	6,912	−7,054	3,749
9	8,967	−3,794	3,859	−8,129	5,091
10	3,024	1,285	1,074	3,067	8,267
Sum					

No.	11	12	13	14	15
1	870,254	457,683	890,216	182,653	916,250
2	981,036	275,910	974,831	471,508	638,495
3	293,671	340,168	403,687	248,037	341,029
4	345,207	196,072	982,573	526,980	−437,981
5	654,189	834,259	−164,025	941,763	−205,867
6	462,351	561,870	−895,614	409,851	743,095
7	904,875	142,397	312,870	368,027	487,126
8	183,027	384,259	−246,395	297,314	−162,503
9	219,760	961,024	−781,402	715,426	−324,978
10	568,943	708,536	539,760	603,895	895,610
Sum					

Mental Calculation Dan Mental Sums (4 min)

No.	16	17	18	19	20
1	892,014	306,524	851,064	695,428	156,042
2	914,356	160,957	789,431	287,310	579,268
3	381,562	431,092	250,374	963,741	804,631
4	570,284	−814,507	913,760	−190,825	946,173
5	391,067	−369,872	825,649	−675,348	709,582
6	483,791	834,720	793,512	983,076	127,490
7	240,536	685,139	608,345	712,495	913,856
8	827,105	−750,946	190,627	−426,153	685,024
9	156,490	−928,301	437,892	−851,609	491,735
10	768,923	247,615	564,108	304,287	378,620
Sum					

No.	21	22	23	24	25
1	32,469,750	89,345,061	39,672,084	45,189,623	97,162,045
2	97,128,304	15,264,370	58,294,631	91,765,432	76,089,132
3	30,241,756	94,025,687	91,480,573	34,107,829	59,674,320
4	71,825,369	60,812,379	−34,026,795	79,562,180	40,361,895
5	89,716,405	79,350,481	−51,287,604	65,097,348	−56,283,714
6	54,830,276	81,734,592	28,741,596	98,246,705	−68,719,240
7	80,153,694	52,907,613	80,357,962	49,510,372	79,548,306
8	67,391,542	40,613,825	−45,031,278	23,691,807	−21,304,958
9	25,670,918	98,261,704	−63,978,140	50,436,218	−12,536,407
10	18,947,023	36,578,940	16,509,423	86,374,591	83,925,761
Sum					

No.	26	27	28	29	30
1	63,258,479	21,067,845	92,608,354	47,250,938	54,190,862
2	87,590,341	63,921,458	71,059,846	82,471,096	40,678,293
3	48,201,695	39,170,825	29,143,760	65,390,281	18,437,502
4	39,784,261	85,914,607	85,270,413	−83,167,594	20,513,769
5	21,563,407	−90,327,456	97,831,526	−21,605,437	64,189,253
6	70,692,135	−63,580,249	62,345,901	68,791,045	95,208,136
7	64,381,250	52,806,713	89,617,034	−95,432,708	82,617,304
8	43,170,896	−90,348,167	56,320,478	−38,504,216	41,396,725
9	58,947,062	−48,719,532	18,974,265	79,386,152	29,754,018
10	92,415,783	16,295,074	30,598,712	14,923,670	36,845,970
Sum					

Answers Mental Calculation Dan

Mental Multiplication

1	8,052	13	8,602	25	520,879	37	517,599	49	1,992,620
2	29,565	14	26,220	26	180,390	38	28,222	50	3,150,840
3	22,638	15	87,688	27	279,256	39	91,260	51	7,736,241
4	51,410	16	10,034	28	76,500	40	336,735	52	4,447,960
5	55,616	17	7,560	29	28,912	41	4,603,369	53	3,326,307
6	20,416	18	61,344	30	736,560	42	982,464	54	3,297,581
7	11,475	19	11,784	31	282,341	43	2,159,656	55	1,993,776
8	7,308	20	25,671	32	495,846	44	1,338,714	56	2,373,624
9	10,209	21	488,650	33	435,420	45	2,631,348	57	4,036,040
10	30,820	22	582,236	34	440,928	46	3,113,912	58	1,111,164
11	15,990	23	194,923	35	41,616	47	948,750	59	194,184
12	34,020	24	303,992	36	156,650	48	6,273,425	60	2,118,120

Mental Division

1	43	13	43	25	407	37	421	49	837
2	95	14	95	26	302	38	29	50	795
3	174	15	230	27	574	39	465	51	2,783
4	68	16	186	28	7,893	40	316	52	3,609
5	78	17	39	29	943	41	6,920	53	143
6	247	18	52	30	298	42	4,152	54	418
7	954	19	602	31	625	43	546	55	8,325
8	59	20	706	32	18	44	138	56	709
9	801	21	679	33	5,186	45	9,072	57	1,206
10	361	22	154	34	850	46	861	58	9,450
11	87	23	830	35	701	47	267	59	574
12	210	24	367	36	902	48	3,501	60	6,984

Mental Sums

1	57,517	9	−1,490	17	−197,579	25	277,917,140
2	52,272	10	59,425	18	6,224,762	26	590,005,309
3	7,305	11	5,483,313	19	1,802,402	27	−13,798,882
4	48,869	12	4,862,178	20	5,792,421	28	633,770,289
5	2,762	13	2,016,501	21	568,375,037	29	119,503,227
6	54,531	14	4,765,454	22	648,894,652	30	483,831,832
7	8,807	15	2,890,276	23	120,732,452		
8	53,439	16	5,626,128	24	623,982,105		