Soroban Technology Lab

Mental Calculation Dan Mental Multiplication (3 min)

No.		Name	
Date		Score	

1	23 × 308 =	31	27 × 8,167 =
2	594 × 13 =	32	309 × 135 =
3	92 × 697 =	33	973 × 325 =
4	806 × 46 =	34	542 × 974 =
5	670 × 97 =	35	140 × 723 =
6	35 × 259 =	36	708 × 248 =
7	467 × 83 =	37	8,637 × 59 =
8	16 × 104 =	38	201 × 492 =
9	403 × 71 =	39	658 × 531 =
10	75 × 560 =	40	492 × 610 =
11	817 × 98 =	41	9,672 × 871 =
12	129 × 65 =	42	3,158 × 524 =
13	38 × 584 =	43	532 × 9,218 =
14	701 × 49 =	44	410 × 2,507 =
15	24 × 872 =	45	6,849 × 691 =
16	41 × 240 =	46	293 × 3,465 =
17	538 × 76 =	47	376 × 1,208 =
18	92 × 105 =	48	7,259 × 496 =
19	89 × 231 =	49	147 × 3,852 =
20	650 × 32 =	50	831 × 7,630 =
21	489 × 708 =	51	2,984 × 509 =
22	81 × 2,906 =	52	8,197 × 607 =
23	325 × 703 =	53	105 × 9,103 =
24	976 × 387 =	54	4,678 × 382 =
25	513 × 650 =	55	701 × 9,175 =
26	215 × 984 =	56	905 × 4,679 =
27	694 × 802 =	57	6,503 × 740 =
28	536 × 549 =	58	326 × 1,453 =
29	1,804 × 16 =	59	5,804 × 284 =
30	760 × 461 =	60	6,420 × 836 =

Soroban Technology Lab

Mental Calculation Dan Mental Division (3 min)

No.		Name	
Date		Score	

1	8,400 ÷ 150 =	31	99,267 ÷ 489 =
2	14,700 ÷ 42 =	32	199,656 ÷ 354 =
3	11,309 ÷ 263 =	33	104,044 ÷ 5,476 =
4	72,254 ÷ 794 =	34	653,752 ÷ 836 =
5	70,383 ÷ 87 =	35	60,282 ÷ 197 =
6	65,995 ÷ 985 =	36	99,626 ÷ 218 =
7	15,582 ÷ 53 =	37	563,980 ÷ 652 =
8	23,100 ÷ 308 =	38	828,920 ÷ 901 =
9	9,792 ÷ 612 =	39	352,077 ÷ 681 =
10	38,775 ÷ 47 =	40	483,412 ÷ 7,109 =
11	20,160 ÷ 720 =	41	5,746,895 ÷ 805 =
12	40,066 ÷ 46 =	42	481,160 ÷ 184 =
13	44,840 ÷ 59 =	43	3,938,884 ÷ 9,203 =
14	2,014 ÷ 106 =	44	1,890,287 ÷ 1,967 =
15	28,028 ÷ 91 =	45	862,048 ÷ 682 =
16	21,138 ÷ 39 =	46	1,767,304 ÷ 5,738 =
17	20,672 ÷ 608 =	47	3,277,043 ÷ 3,869 =
18	12,873 ÷ 21 =	48	2,877,435 ÷ 495 =
19	34,188 ÷ 84 =	49	3,554,460 ÷ 7,254 =
20	34,500 ÷ 375 =	50	1,383,648 ÷ 2,059 =
21	63,135 ÷ 45 =	51	2,661,560 ÷ 920 =
22	269,700 ÷ 372 =	52	808,886 ÷ 7,631 =
23	119,890 ÷ 190 =	53	5,557,030 ÷ 851 =
24	683,316 ÷ 703 =	54	4,428,312 ÷ 602 =
25	280,020 ÷ 65 =	55	2,461,563 ÷ 7,013 =
26	205,176 ÷ 824 =	56	1,149,360 ÷ 240 =
27	137,080 ÷ 230 =	57	3,446,144 ÷ 436 =
28	452,120 ÷ 508 =	58	1,217,700 ÷ 1,476 =
29	177,192 ÷ 963 =	59	4,886,134 ÷ 5,417 =
30	91,637 ÷ 247 =	60	2,151,986 ÷ 398 =

Soroban Technology Lab

Mental Calculation Dan Mental Sums (4 min)

No.		Name	
Date		Score	

No.	1	2	3	4	5
1	5,230	9,325	9,714	1,329	6,215
2	6,389	1,607	8,632	7,854	8,709
3	8,714	9,864	9,750	8,613	6,013
4	6,329	8,437	−8,031	4,196	−8,264
5	1,057	5,102	−5,462	2,570	−5,397
6	5,102	7,085	6,517	6,853	2,549
7	9,648	1,326	−3,094	9,041	−7,083
8	3,987	6,249	−2,186	4,927	−1,608
9	2,601	4,571	4,903	8,302	4,952
10	4,573	3,098	7,825	5,761	3,176
Sum					

No.	6	7	8	9	10
1	2,307	6,359	3,894	6,851	9,875
2	8,716	2,170	7,120	3,420	2,048
3	4,865	8,462	5,043	8,617	3,406
4	3,102	−9,175	7,829	2,543	6,852
5	9,457	−3,860	6,145	−9,780	3,917
6	7,268	4,782	1,306	−8,109	5,792
7	3,490	−5,096	5,472	7,362	1,048
8	1,075	−3,514	8,910	−5,204	8,673
9	2,381	7,328	2,684	−9,467	9,260
10	5,649	9,601	9,537	1,835	4,531
Sum					

No.	11	12	13	14	15
1	931,486	352,687	253,017	267,803	839,402
2	794,502	964,170	409,821	492,581	526,741
3	356,028	510,369	278,394	501,736	840,163
4	498,712	741,852	−480,563	127,980	−176,809
5	361,075	298,306	−152,796	365,498	−423,957
6	256,843	357,089	739,805	239,856	349,726
7	980,371	214,796	−614,720	546,107	−518,039
8	105,746	825,031	−325,649	908,743	−205,618
9	572,190	189,463	806,174	850,612	782,340
10	829,634	607,524	593,281	719,324	651,497
Sum					

Mental Calculation Dan Mental Sums (4 min)

No.	16	17	18	19	20
1	760,541	471,029	563,078	207,953	602,351
2	892,103	863,572	680,241	658,410	598,724
3	381,976	−371,049	315,892	472,693	450,831
4	650,437	−240,368	467,058	318,972	572,316
5	842,519	568,917	391,427	−806,154	849,067
6	105,374	−784,360	635,792	−983,642	970,516
7	638,792	−295,814	840,153	590,718	824,163
8	594,201	156,790	972,814	−351,206	203,475
9	257,086	920,136	726,305	−749,521	365,849
10	913,468	437,285	149,680	460,387	187,902
Sum					

No.	21	22	23	24	25
1	81,504,627	91,670,452	64,173,098	50,647,298	12,765,093
2	24,970,561	29,367,180	89,230,765	87,261,905	80,492,736
3	71,594,283	93,281,405	43,672,189	12,085,493	57,248,091
4	86,309,125	50,426,387	29,086,451	37,264,915	−13,870,652
5	65,843,079	71,639,045	−30,742,516	78,415,630	−38,946,501
6	38,051,467	32,014,569	−52,406,391	56,029,781	82,305,674
7	53,248,690	46,389,207	26,039,817	10,357,649	−91,763,825
8	28,067,519	19,853,076	−80,654,173	93,142,086	−26,018,943
9	40,712,936	85,927,614	−75,328,940	45,973,821	48,159,207
10	97,431,852	34,105,728	17,895,426	24,508,367	75,031,469
Sum					

No.	26	27	28	29	30
1	79,316,204	87,206,935	29,518,370	15,284,907	82,960,573
2	98,052,167	98,015,764	80,456,137	67,810,493	40,513,682
3	83,619,452	−42,901,837	45,238,719	18,324,567	28,309,741
4	26,450,837	−95,384,261	96,543,072	54,971,023	35,846,279
5	87,945,013	27,430,156	20,184,936	−39,062,875	40,519,367
6	20,867,195	30,984,721	74,219,658	−84,306,219	52,930,846
7	58,103,724	63,027,514	15,092,463	40,572,631	63,278,914
8	45,237,869	−85,679,042	63,705,982	−32,659,874	26,107,853
9	30,421,698	−71,862,593	12,380,647	−95,867,140	14,095,736
10	61,975,340	56,149,308	31,974,805	21,795,038	97,482,105
Sum					

Answers Mental Calculation Dan

Mental Multiplication

1	7,084	13	22,192	25	333,450	37	509,583	49	566,244
2	7,722	14	34,349	26	211,560	38	98,892	50	6,340,530
3	64,124	15	20,928	27	556,588	39	349,398	51	1,518,856
4	37,076	16	9,840	28	294,264	40	300,120	52	4,975,579
5	64,990	17	40,888	29	28,864	41	8,424,312	53	955,815
6	9,065	18	9,660	30	350,360	42	1,654,792	54	1,786,996
7	38,761	19	20,559	31	220,509	43	4,903,976	55	6,431,675
8	1,664	20	20,800	32	41,715	44	1,027,870	56	4,234,495
9	28,613	21	346,212	33	316,225	45	4,732,659	57	4,812,220
10	42,000	22	235,386	34	527,908	46	1,015,245	58	473,678
11	80,066	23	228,475	35	101,220	47	454,208	59	1,648,336
12	8,385	24	377,712	36	175,584	48	3,600,464	60	5,367,120

Mental Division

1	56	13	760	25	4,308	37	865	49	490
2	350	14	19	26	249	38	920	50	672
3	43	15	308	27	596	39	517	51	2,893
4	91	16	542	28	890	40	68	52	106
5	809	17	34	29	184	41	7,139	53	6,530
6	67	18	613	30	371	42	2,615	54	7,356
7	294	19	407	31	203	43	428	55	351
8	75	20	92	32	564	44	961	56	4,789
9	16	21	1,403	33	19	45	1,264	57	7,904
10	825	22	725	34	782	46	308	58	825
11	28	23	631	35	306	47	847	59	902
12	871	24	972	36	457	48	5,813	60	5,407

Mental Sums

1	53,630	9	−1,932	17	1,726,138	25	185,402,349
2	56,664	10	55,402	18	5,742,440	26	591,989,499
3	28,568	11	5,686,587	19	−181,390	27	66,986,665
4	59,446	12	5,061,287	20	5,625,194	28	469,314,789
5	9,262	13	1,506,764	21	587,734,139	29	−33,137,449
6	48,310	14	5,020,240	22	554,674,663	30	482,045,096
7	17,057	15	2,665,446	23	30,965,726		
8	57,940	16	6,036,497	24	495,686,945		