

Soroban Technology Lab

Mental Calculation Dan Mental Multiplication (3 min)

No.		Name	
Date		Score	

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

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Mental Calculation Dan Mental Division (3 min)

No.		Name	
Date		Score	

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

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

Mental Division

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

Mental Sums

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