

Soroban Technology Lab

Mental Calculation Dan Mental Multiplication / Mental Division (6 min)

No.		Name	
Date		Score	

Mental Multiplication (3 min)

(Note) Round down to 3 decimal places

1	$23 \times 26 =$	21	$7,400 \times 49 =$
2	$69 \times 62 =$	22	$4.2 \times 5,832 =$
3	$34 \times 85 =$	23	$199 \times 963 =$
4	$18 \times 19 =$	24	$0.037 \times 0.758 =$
5	$67 \times 33 =$	25	$23 \times 1,916 =$
6	$51 \times 71 =$	26	$855 \times 644 =$
7	$46 \times 57 =$	27	$0.176 \times 2.75 =$
8	$7.2 \times 7.4 =$	28	$9,364 \times 81 =$
9	$89 \times 48 =$	29	$521 \times 200 =$
10	$95 \times 0.91 =$	30	$688 \times 0.037 =$
11	$12 \times 129 =$	31	$8,583 \times 267 =$
12	$89.5 \times 0.43 =$	32	$3,621 \times 933 =$
13	$36 \times 961 =$	33	$0.049 \times 0.8409 =$
14	$4.1 \times 0.706 =$	34	$916 \times 4,800 =$
15	$603 \times 57 =$	35	$5,904 \times 7.98 =$
16	$350 \times 25 =$	36	$67,392 \times 354 =$
17	$0.59 \times 30.8 =$	37	$41.37 \times 612.5 =$
18	$778 \times 84 =$	38	$770 \times 52,151 =$
19	$24 \times 480 =$	39	$2,658 \times 0.0172 =$
20	$0.917 \times 0.62 =$	40	$1,405 \times 8,476 =$

Mental Division (3 min)

(Note) Round down to 3 decimal places

1	$552 \div 24 =$	21	$651,700 \div 686 =$
2	$528 \div 12 =$	22	$69,142.5 \div 9,219 =$
3	$4,940 \div 65 =$	23	$768,123 \div 87 =$
4	$3,648 \div 76 =$	24	$51.137 \div 793 =$
5	$7,905 \div 93 =$	25	$90,984 \div 204 =$
6	$3,977 \div 41 =$	26	$33,990 \div 1,545 =$
7	$2,294 \div 37 =$	27	$189,810 \div 570 =$
8	$347.1 \div 8.9 =$	28	$0.03827 \div 0.048 =$
9	$952 \div 56 =$	29	$155,341 \div 31 =$
10	$0.1938 \div 0.38 =$	30	$10.6176 \div 6.32 =$
11	$10,208 \div 638 =$	31	$2,678,100 \div 300 =$
12	$1.3576 \div 1.5 =$	32	$133,873.3 \div 187 =$
13	$11,600 \div 29 =$	33	$196.445 \div 9,174 =$
14	$624.64 \div 976 =$	34	$4,308,848 \div 7,586 =$
15	$24,750 \div 750 =$	35	$2,454,579 \div 263 =$
16	$11,521 \div 41 =$	36	$70,945,745 \div 8,021 =$
17	$270.16 \div 30.7 =$	37	$36,621,594 \div 549 =$
18	$37,008 \div 514 =$	38	$23,411,640 \div 4,935 =$
19	$50,508 \div 92 =$	39	$15.57742 \div 15.42 =$
20	$0.22183 \div 0.83 =$	40	$26.37376 \div 0.06728 =$

Soroban Technology Lab

Mental Calculation Dan Mental Sums (3 min)

No.		Name	
Date		Score	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
930	270	641	160	938	598	461	734	728	9,350	7,203	2,746	716	3,154	194
758	604	503	487	-356	703	958	283	9,413	-648	9,486	3,218	4,205	790	7,253
691	426	864	716	674	341	295	509	231	-973	724	-567	2,670	829	421
302	387	719	805	-219	-920	740	-672	4,879	824	635	180	843	-503	985
547	951	250	239	805	-685	136	-148	605	1,065	810	-493	159	-1,467	3,706

16	17	18	19	20	21	22	23	24	25	26	27	28	29
981	8,137	7,286	6,073	846	8,056	509	3,480	9,460	1,520	5,061	957	746	8,573
4,035	560	-1,309	245	205	-394	1,852	315	917	819	6,287	530	6,413	-716
762	2,493	854	198	731	1,207	6,473	7,962	-835	6,743	940	7,429	-872	5,039
896	854	165	4,936	5,962	782	645	123	-2,749	7,365	3,195	318	3,905	842
270	206	-732	782	-489	-960	981	879	308	408	503	3,296	628	-167
1,453	971	940	510	-3,170	3,145	2,730	6,504	1,526	192	724	4,705	-4,057	-9,250
										618	861	-391	384

30	31	32	33	34	35	36	37	38	39	40
634	427	761	156	287	9,572	18,956	849	2,871	21,630	81,754
6,273	8,501	4,280	7,204	3,016	8,043	72,863	60,578	160	542	-63,985
158	632	9,035	4,865	695	705	-409	29,134	27,549	90,387	4,028
7,490	389	317	321	5,870	-169	-794	1,907	6,238	451	-371
3,045	4,015	-648	9,087	1,324	284	86,012	3,426	35,497	206	59,462
821	7,958	3,452	1,598	509	4,637	530	685	10,782	3,879	5,130
769	763	-126	430	2,148	-358	3,647	4,391	4,915	17,065	6,249
	1,240	-7,809	672	763	-1,920	-29,185	87,250	306	84,923	-807

Answers Mental Calculation Dan

Mental Multiplication

1	<u>598</u>	9	<u>4,272</u>	17	<u>18.172</u>	25	<u>44,068</u>	33	<u>0.041</u>
2	<u>4,278</u>	10	<u>86.45</u>	18	<u>65,352</u>	26	<u>550,620</u>	34	<u>4,396,800</u>
3	<u>2,890</u>	11	<u>1,548</u>	19	<u>11,520</u>	27	<u>0.484</u>	35	<u>47.113.92</u>
4	<u>342</u>	12	<u>38.485</u>	20	<u>0.568</u>	28	<u>758,484</u>	36	<u>23,856,768</u>
5	<u>2,211</u>	13	<u>34,596</u>	21	<u>362,600</u>	29	<u>104,200</u>	37	<u>25,339.125</u>
6	<u>3,621</u>	14	<u>2.894</u>	22	<u>24,494.4</u>	30	<u>25.456</u>	38	<u>40,156,270</u>
7	<u>2,622</u>	15	<u>34,371</u>	23	<u>191,637</u>	31	<u>2,291,661</u>	39	<u>45.717</u>
8	<u>53.28</u>	16	<u>8,750</u>	24	<u>0.028</u>	32	<u>3,378,393</u>	40	<u>11,908,780</u>

Mental Division

1	<u>23</u>	9	<u>17</u>	17	<u>8.8</u>	25	<u>446</u>	33	<u>0.021</u>
2	<u>44</u>	10	<u>0.51</u>	18	<u>72</u>	26	<u>22</u>	34	<u>568</u>
3	<u>76</u>	11	<u>16</u>	19	<u>549</u>	27	<u>333</u>	35	<u>9,333</u>
4	<u>48</u>	12	<u>0.905</u>	20	<u>0.267</u>	28	<u>0.797</u>	36	<u>8,845</u>
5	<u>85</u>	13	<u>400</u>	21	<u>950</u>	29	<u>5,011</u>	37	<u>66,706</u>
6	<u>97</u>	14	<u>0.64</u>	22	<u>7.5</u>	30	<u>1.68</u>	38	<u>4,744</u>
7	<u>62</u>	15	<u>33</u>	23	<u>8,829</u>	31	<u>8,927</u>	39	<u>1.010</u>
8	<u>39</u>	16	<u>281</u>	24	<u>0.064</u>	32	<u>715.9</u>	40	<u>392</u>

Mental Sums

1	<u>3,228</u>	9	<u>15,856</u>	17	<u>13,221</u>	25	<u>17,047</u>	33	<u>24,333</u>
2	<u>2,638</u>	10	<u>9,618</u>	18	<u>7,204</u>	26	<u>17,328</u>	34	<u>14,612</u>
3	<u>2,977</u>	11	<u>18,858</u>	19	<u>12,744</u>	27	<u>18,096</u>	35	<u>20,794</u>
4	<u>2,407</u>	12	<u>5,084</u>	20	<u>4,085</u>	28	<u>6,372</u>	36	<u>151,620</u>
5	<u>1,842</u>	13	<u>8,593</u>	21	<u>11,836</u>	29	<u>4,705</u>	37	<u>188,220</u>
6	<u>37</u>	14	<u>2,803</u>	22	<u>13,190</u>	30	<u>19,190</u>	38	<u>88,318</u>
7	<u>2,590</u>	15	<u>12,559</u>	23	<u>19,263</u>	31	<u>23,925</u>	39	<u>219,083</u>
8	<u>706</u>	16	<u>8,397</u>	24	<u>8,627</u>	32	<u>9,262</u>	40	<u>91,460</u>