

MCE-1-ADDITION				DATE	TIME	SCORE
1	9+0=	31	0+0=			
2	2+1=	32	9+1=			
3	4+2=	33	1+9=			
4	7+1=	34	8+2=			
5	6+4=	35	2+8=			
6	5+5=	36	7+7=			
7	8+2=	37	3+5=			
8	3+3=	38	6+4=			
9	0+4=	39	4+3=			
10	1+3=	40	5+4=			
11	9+6=	41	5+6=			
12	0+7=	42	4+2=			
13	8+5=	43	6+5=			
14	2+6=	44	3+6=			
15	7+8=	45	7+7=			
16	3+9=	46	2+8=			
17	9+7=	47	8+3=			
18	6+8=	48	1+0=			
19	1+1=	49	9+1=			
20	5+9=	50	0+9=			
21	1+0=	51	0+0=			
22	4+2=	52	2+1=			
23	2+7=	53	4+2=			
24	5+3=	54	6+3=			
25	3+6=	55	8+4=			
26	6+0=	56	1+5=			
27	4+9=	57	3+6=			
28	7+4=	58	5+7=			
29	0+5=	59	7+8=			
30	8+8=	60	9+9=			

MCE-2-SUBTRACTION				DATE	TIME	SCORE
1	9-2=	31	4-3=			
2	8-8=	32	9-8=			
3	2-1=	33	3-1=			
4	7-5=	34	6-4=			
5	3-0=	35	9-7=			
6	8-6=	36	5-5=			
7	9-6=	37	5-0=			
8	6-4=	38	7-1=			
9	9-7=	39	1-1=			
10	4-3=	40	4-2=			
11	1-0=	41	8-2=			
12	6-3=	42	7-5=			
13	5-2=	43	9-4=			
14	8-7=	44	8-1=			
15	6-1=	45	3-0=			
16	8-6=	46	8-6=			
17	3-2=	47	9-1=			
18	2-1=	48	8-7=			
19	4-3=	49	6-2=			
20	9-5=	50	9-8=			
21	5-4=	51	7-6=			
22	8-4=	52	9-9=			
23	9-5=	53	5-3=			
24	6-6=	54	0-0=			
25	9-6	55	7-4=			
26	7-7=	56	4-0=			
27	8-4=	57	3-1=			
28	9-8=	58	9-5=			
29	8-8=	59	4-2=			
30	9-9=	60	4-3=			

MCE-3-ADDITION AND SUBTRACTION				DATE	TIME	SCORE
1	$9+2=$	31	$1-0=$			
2	$9-8=$	32	$1+3=$			
3	$8+3=$	33	$8-1=$			
4	$8-7=$	34	$2+8=$			
5	$7+4=$	35	$6-2=$			
6	$9-6=$	36	$3+7=$			
7	$6+6=$	37	$7-3=$			
8	$4-1=$	38	$4+5=$			
9	$5+9=$	39	$7-4=$			
10	$7-5=$	40	$5+0=$			
11	$4+8=$	41	$9-5=$			
12	$7-4=$	42	$6+6=$			
13	$3+7=$	43	$6-6=$			
14	$8-3=$	44	$7+1=$			
15	$2+3=$	45	$9-7=$			
16	$9-5=$	46	$8+2=$			
17	$1+0=$	47	$5-2=$			
18	$7-6=$	48	$9+5=$			
19	$0+4=$	49	$2-1=$			
20	$8-7=$	50	$0+4=$			
21	$3+6=$	51	$3-0=$			
22	$7-1=$	52	$5+3=$			
23	$1+5=$	53	$9-1=$			
24	$9-9=$	54	$4+9=$			
25	$7+7=$	55	$5-2=$			
26	$8-0=$	56	$6+1=$			
27	$9+8=$	57	$4-3=$			
28	$8-1=$	58	$8+2=$			
29	$2+0=$	59	$6-4=$			
30	$9-2=$	60	$0+3=$			

MCE-4-SUBTRACTION AND ADDITION				DATE	TIME	SCORE
1	0-0=	31	0+1=			
2	4+3=	32	7-6=			
3	1-0=	33	2+2=			
4	9+8=	34	6-3=			
5	2-1=	35	2+3=			
6	1+0=	36	5-1=			
7	8-7=	37	4+1=			
8	7+6=	38	9-0=			
9	4-2=	39	3+5=			
10	5+4=	40	8-7=			
11	8-6=	41	4+0=			
12	3+2=	42	3-2=			
13	9-7=	43	6+3=			
14	1+9=	44	2-1=			
15	7-6=	45	5+6=			
16	2+8=	46	8-6=			
17	8-5=	47	7+5=			
18	3+0=	48	9-5=			
19	5-5=	49	6+4=			
20	1+4=	50	4-2=			
21	7-4=	51	8+7=			
22	5+2=	52	6-3=			
23	6-4=	53	7+9=			
24	7+3=	54	4-3=			
25	7-3=	55	0+9=			
26	4+6=	56	8-1=			
27	2-2=	57	8+9=			
28	8+9=	58	9-2=			
29	1-1=	59	8+0=			
30	5+6=	60	8-4=			

MCE-5-TABLES 2,3,4,5,6,10				DATE	TIME	SCORE
1	2 X 1=	31	3 X 1=			
2	5 X 2=	32	2 X 2=			
3	3 X 6=	33	5 X 1=			
4	6 X 6=	34	4 X 9=			
5	4 X 10=	35	6 X 1=			
6	2 X 3=	36	3 X 2=			
7	4 X 6=	37	5 X 9=			
8	10 X 1=	38	2 X 5=			
9	3 X 5=	39	3 X 7=			
10	6 X 5=	40	4 X 4=			
11	2 X 4=	41	10 X 6=			
12	5 X 8=	42	3 X 3=			
13	4 X 5=	43	6 X 10=			
14	3 X 4=	44	5 X 6=			
15	10 X 4=	45	2 X 7=			
16	10 X 8=	46	6 X 9=			
17	2 X 6=	47	4 X 8=			
18	10 X 5=	48	10 X 7=			
19	4 X 7=	49	2 X 9=			
20	5 X 7=	50	10 X 1=			
21	2 X 8=	51	4 X 3=			
22	10 X 3=	52	10 X 9=			
23	5 X 10=	53	6 X 2=			
24	3 X 8=	54	3 X 9=			
25	5 X 3=	55	10 X 2=			
26	6 X 3=	56	5 X 4=			
27	2 X 10=	57	4 X 2=			
28	6 X 8=	58	6 X 7=			
29	6 X 4=	59	5 X 5=			
30	4 X 1=	60	3 X 10=			

MCE-6-TABLES 7,8,9				DATE	TIME	SCORE
1	7 X 1=	31	7 X 2=			
2	9 X 2=	32	9 X 1=			
3	8 X 1=	33	7 X 1=			
4	9 X 3=	34	8 X 8=			
5	7 X 9=	35	7 X 3=			
6	8 X 5=	36	9 X 4=			
7	8 X 2 =	37	8 X 1=			
8	9 X 10=	38	7 X 4=			
9	7 X 5=	39	8 X 10=			
10	9 X 9=	40	8 X 2=			
11	8 X 6=	41	9 X 3=			
12	7 X 10=	42	7 X 8=			
13	8 X 4=	43	9 X 4=			
14	7 X 6=	44	8 X 3=			
15	9 X 8=	45	9 X 5=			
16	8 X 7=	46	7 X 7=			
17	7 X 2=	47	9 X 10=			
18	9 X 9=	48	8 X 9==			
19	8 X 8=	49	7 X 4=			
20	9 X 7=	50	9 X 2=			
21	7 X 8=	51	8 X 4=			
22	9 X 6=	52	9 X 1=			
23	8 X 9=	53	8 X 6=			
24	7 X 3=	54	7 X 9=			
25	9 X 7=	55	9 X 8=			
26	8 X 10=	56	8 X 7=			
27	7 X 10=	57	7 X 7=			
28	9 X 6=	58	9 X 5=			
29	8 X 3=	59	8 X 5=			
30	7 X 5=	60	7 X 6=			

MCE-7-DIVISION				DATE	TIME	SCORE
1	$2 \div 1 =$	31	$40 \div 4 =$			
2	$3 \div 1 =$	32	$15 \div 5 =$			
3	$30 \div 3 =$	33	$36 \div 4 =$			
4	$4 \div 2 =$	34	$6 \div 6 =$			
5	$6 \div 3 =$	35	$20 \div 5 =$			
6	$20 \div 2 =$	36	$32 \div 4 =$			
7	$6 \div 2 =$	37	$12 \div 6 =$			
8	$9 \div 3 =$	38	$10 \div 5 =$			
9	$8 \div 2 =$	39	$28 \div 4 =$			
10	$10 \div 1 =$	40	$5 \div 5 =$			
11	$10 \div 2 =$	41	$24 \div 4 =$			
12	$12 \div 3 =$	42	$18 \div 6 =$			
13	$40 \div 4 =$	43	$25 \div 5 =$			
14	$12 \div 2 =$	44	$20 \div 4 =$			
15	$25 \div 5 =$	45	$24 \div 6 =$			
16	$15 \div 3 =$	46	$30 \div 5 =$			
17	$60 \div 6 =$	47	$30 \div 6 =$			
18	$14 \div 2 =$	48	$16 \div 4 =$			
19	$18 \div 3 =$	49	$36 \div 6 =$			
20	$16 \div 2 =$	50	$12 \div 4 =$			
21	$70 \div 7 =$	51	$42 \div 6 =$			
22	$21 \div 3 =$	52	$35 \div 5 =$			
23	$18 \div 2 =$	53	$8 \div 4 =$			
24	$80 \div 8 =$	54	$48 \div 6 =$			
25	$20 \div 2 =$	55	$40 \div 5 =$			
26	$90 \div 9 =$	56	$4 \div 4 =$			
27	$24 \div 3 =$	57	$54 \div 6 =$			
28	$27 \div 3 =$	58	$45 \div 5 =$			
29	$100 \div 10 =$	59	$60 \div 6 =$			
30	$30 \div 3 =$	60	$50 \div 5 =$			

MCE-8-DIVISION				DATE	TIME	SCORE
1	$70 \div 7 =$	31	$70 \div 7 =$			
2	$80 \div 8 =$	32	$63 \div 7 =$			
3	$90 \div 9 =$	33	$80 \div 8 =$			
4	$63 \div 7 =$	34	$48 \div 8 =$			
5	$48 \div 8 =$	35	$90 \div 9 =$			
6	$81 \div 9 =$	36	$40 \div 8 =$			
7	$40 \div 8 =$	37	$81 \div 9 =$			
8	$72 \div 8 =$	38	$72 \div 9 =$			
9	$72 \div 9 =$	39	$72 \div 8 =$			
10	$56 \div 8 =$	40	$56 \div 8 =$			
11	$56 \div 7 =$	41	$56 \div 7 =$			
12	$63 \div 9 =$	42	$16 \div 8 =$			
13	$16 \div 8 =$	43	$63 \div 9 =$			
14	$49 \div 7 =$	44	$54 \div 9 =$			
15	$54 \div 9 =$	45	$49 \div 7 =$			
16	$8 \div 8 =$	46	$8 \div 8 =$			
17	$42 \div 9 =$	47	$42 \div 7 =$			
18	$45 \div 9 =$	48	$24 \div 8 =$			
19	$24 \div 8 =$	49	$45 \div 9 =$			
20	$35 \div 9 =$	50	$36 \div 9 =$			
21	$36 \div 9 =$	51	$35 \div 7 =$			
22	$32 \div 8 =$	52	$28 \div 7 =$			
23	$28 \div 7 =$	53	$32 \div 8 =$			
24	$27 \div 9 =$	54	$21 \div 7 =$			
25	$21 \div 7 =$	55	$27 \div 9 =$			
26	$18 \div 9 =$	56	$14 \div 7 =$			
27	$14 \div 9 =$	57	$18 \div 9 =$			
28	$9 \div 9 =$	58	$7 \div 7 =$			
29	$64 \div 8 =$	59	$9 \div 9 =$			
30	$7 \div 7 =$	60	$64 \div 8 =$			

MCE-9-ARITHMETICS				DATE	TIME	SCORE
1	$1+1=$	31	$6 \times 5=$			
2	$2-2=$	32	$45 \div 9=$			
3	$3 \times 3=$	33	$5+6=$			
4	$4 \div 4=$	34	$6-5=$			
5	$5+5=$	35	$5 \times 4=$			
6	$6-6=$	36	$45 \div 5=$			
7	$7 \times 7=$	37	$6+7=$			
8	$8 \div 8=$	38	$7-6=$			
9	$9+9=$	39	$4 \times 3=$			
10	$10-10=$	40	$49 \div 7=$			
11	$9 \times 9=$	41	$7+8=$			
12	$7 \div 7=$	42	$8-7=$			
13	$6+6=$	43	$3 \times 2=$			
14	$7-7=$	44	$64 \div 8=$			
15	$10 \times 9=$	45	$8+9=$			
16	$72 \div 9=$	46	$9-8=$			
17	$1+2=$	47	$2 \times 1=$			
18	$10-1=$	48	$81 \div 9=$			
19	$9 \times 8=$	49	$9+10=$			
20	$72 \div 8=$	50	$10-9=$			
21	$2+3=$	51	$1 \times 2=$			
22	$9-2=$	52	$8 \div 2=$			
23	$8 \times 7=$	53	$10+9 \div$			
24	$56 \div 7=$	54	$9-2=$			
25	$3+4=$	55	$2 \times 3=$			
26	$8-3=$	56	$40 \div 10=$			
27	$7 \times 6=$	57	$8+8=$			
28	$56 \div 8=$	58	$8-8=$			
29	$4+5=$	59	$3 \times 4=$			
30	$7-4=$	60	$70 \div 7=$			

MCE-10-SQUARES AND SQUARE ROOTS: UPTO 30				DATE	TIME	SCORE
1	$1^2=$	31	$\sqrt{900}=$			
2	$2^2=$	32	$\sqrt{841}=$			
3	$3^2=$	33	$\sqrt{784}=$			
4	$4^2=$	34	$\sqrt{729}=$			
5	$5^2=$	35	$\sqrt{676}=$			
6	$6^2=$	36	$\sqrt{625}=$			
7	$7^2=$	37	$\sqrt{576}=$			
8	$8^2=$	38	$\sqrt{529}=$			
9	$9^2=$	39	$\sqrt{484}=$			
10	$10^2=$	40	$\sqrt{441}=$			
11	$11^2=$	41	$\sqrt{400}=$			
12	$12^2=$	42	$\sqrt{361}=$			
13	$13^2=$	43	$\sqrt{324}=$			
14	$14^2=$	44	$\sqrt{289}=$			
15	$15^2=$	45	$\sqrt{256}=$			
16	$16^2=$	46	$\sqrt{225}=$			
17	$17^2=$	47	$\sqrt{196}=$			
18	$18^2=$	48	$\sqrt{169}=$			
19	$19^2=$	49	$\sqrt{144}=$			
20	$20^2=$	50	$\sqrt{144}=$			
21	$21^2=$	51	$\sqrt{100}=$			
22	$22^2=$	52	$\sqrt{81}=$			
23	$23^2=$	53	$\sqrt{64}=$			
24	$24^2=$	54	$\sqrt{49}=$			
25	$25^2=$	55	$\sqrt{36}=$			
26	$26^2=$	56	$\sqrt{25}=$			
27	$27^2=$	57	$\sqrt{16}=$			
28	$28^2=$	58	$\sqrt{9}=$			
29	$29^2=$	59	$\sqrt{4}=$			
30	$30^2=$	60	$\sqrt{1}=$			

MCE-11-CUBES AND CUBE ROOTS: UPTO 15				DATE	TIME	SCORE
1	$1^3=$	31	$\sqrt[3]{3375}=$			
2	$2^3=$	32	$\sqrt[3]{2744}=$			
3	$3^3=$	33	$\sqrt[3]{2197}=$			
4	$4^3=$	34	$\sqrt[3]{1728}=$			
5	$5^3=$	35	$\sqrt[3]{1331}=$			
6	$6^3=$	36	$\sqrt[3]{1000}=$			
7	$7^3=$	37	$\sqrt[3]{729}=$			
8	$8^3=$	38	$\sqrt[3]{512}=$			
9	$9^3=$	39	$\sqrt[3]{343}=$			
10	$10^3=$	40	$\sqrt[3]{216}=$			
11	$11^3=$	41	$\sqrt[3]{125}=$			
12	$12^3=$	42	$\sqrt[3]{64}=$			
13	$13^3=$	43	$\sqrt[3]{27}=$			
14	$14^3=$	44	$\sqrt[3]{8}=$			
15	$15^3=$	45	$\sqrt[3]{1}=$			
16	$15^3=$	46	$\sqrt[3]{1}=$			
17	$14^3=$	47	$\sqrt[3]{8}=$			
18	$13^3=$	48	$\sqrt[3]{27}=$			
19	$12^3=$	49	$\sqrt[3]{64}=$			
20	$11^3=$	50	$\sqrt[3]{125}=$			
21	$10^3=$	51	$\sqrt[3]{216}=$			
22	$9^3=$	52	$\sqrt[3]{343}=$			
23	$8^3=$	53	$\sqrt[3]{512}=$			
24	$7^3=$	54	$\sqrt[3]{729}=$			
25	$6^3=$	55	$\sqrt[3]{1000}=$			
26	$5^3=$	56	$\sqrt[3]{1331}=$			
27	$4^3=$	57	$\sqrt[3]{1728}=$			
28	$3^3=$	58	$\sqrt[3]{2197}=$			
29	$2^3=$	59	$\sqrt[3]{2744}=$			
30	$1^3=$	60	$\sqrt[3]{3375}=$			

MCE-12-POWERS of 2,3,5, and 7				DATE	TIME	SCORE
1	$2^1 =$	31	$16807 =$			
2	$2^2 =$	32	$2401 =$			
3	$2^3 =$	33	$343 =$			
4	$2^4 =$	34	$49 =$			
5	$2^5 =$	35	$7 =$			
6	$2^6 =$	36	$3125 =$			
7	$2^7 =$	37	$625 =$			
8	$2^8 =$	38	$125 =$			
9	$2^9 =$	39	$25 =$			
10	$2^{10} =$	40	$5 =$			
11	$3^1 =$	41	$59049 =$			
12	$3^2 =$	42	$19683 =$			
13	$3^3 =$	43	$6561 =$			
14	$3^4 =$	44	$2187 =$			
15	$3^5 =$	45	$729 =$			
16	$3^6 =$	46	$243 =$			
17	$3^7 =$	47	$81 =$			
18	$3^8 =$	48	$27 =$			
19	$3^9 =$	49	$9 =$			
20	$3^{10} =$	50	$3 =$			
21	$5^1 =$	51	$1024 =$			
22	$5^2 =$	52	$512 =$			
23	$5^3 =$	53	$256 =$			
24	$5^4 =$	54	$128 =$			
25	$5^5 =$	55	$64 =$			
26	$7^1 =$	56	$32 =$			
27	$7^2 =$	57	$16 =$			
28	$7^3 =$	58	$8 =$			
29	$7^4 =$	59	$4 =$			
30	$7^5 =$	60	$2 =$			

MCE-13-FRACTIONS TO DECIMAL				DATE	TIME	SCORE
1	$1/1 =$	31	$6/7 =$			
2	$1/10 =$	32	$1/2 =$			
3	$1/100 =$	33	$2/3 =$			
4	$1/2 =$	34	$3/4 =$			
5	$1/20 =$	35	$4/5 =$			
6	$1/200 =$	36	$5/6 =$			
7	$1/5 =$	37	$6/7 =$			
8	$2/5 =$	38	$7/8 =$			
9	$3/5 =$	39	$8/9 =$			
10	$4/5 =$	40	$9/10 =$			
11	$1/1 =$	41	$1/9 =$			
12	$1/2 =$	42	$2/9 =$			
13	$1/4 =$	43	$3/9 =$			
14	$1/8 =$	44	$1/11 =$			
15	$1/16 =$	45	$2/11 =$			
16	$1/32 =$	46	$3/11 =$			
17	$1/8 =$	47	$1/12 =$			
18	$3/8 =$	48	$5/12 =$			
19	$5/8 =$	49	$7/12 =$			
20	$7/8 =$	50	$11/12 =$			
21	$1/3 =$	51	$1/12 =$			
22	$1/6 =$	52	$10/12 =$			
23	$1/12 =$	53	$1/24 =$			
24	$1/24 =$	54	$10/24 =$			
25	$1/48 =$	55	$5/12 =$			
26	$1/7 =$	56	$1/60 =$			
27	$2/7 =$	57	$1/70 =$			
28	$3/7 =$	58	$1/80 =$			
29	$4/7 =$	59	$1/90 =$			
30	$5/7 =$	60	$1/100 =$			

MCE-14-DECIMAL TO FRACTION				DATE	TIME	SCORE
1	1=	31	0.857142=			
2	0.1=	32	0.5=			
3	0.001=	33	0.666=			
4	0.5=	34	0.75=			
5	0.05=	35	0.8=			
6	0.005=	36	0.833=			
7	0.2=	37	0.857142=			
8	0.4=	38	0.875=			
9	0.6=	39	0.888=			
10	40.8=	40	0.9=			
11	1=	41	0.111=			
12	0.5=	42	0.222=			
13	0.25=	43	0.333=			
14	0.125=	44	0.0909=			
15	0.0625=	45	0.1818=			
16	0.03125=	46	0.2727=			
17	0.125=	47	0.0833=			
18	0.375=	48	0.4166=			
19	0.625=	49	0.5833=			
20	0.875=	50	0.9166=			
21	0.33=	51	0.0833=			
22	0.166=	52	0.833=			
23	0.0833=	53	0.0416=			
24	0.0416=	54	0.4166=			
25	0.0208=	55	0.4166=			
26	0.142857=	56	0.0166=			
27	0.285714=	57	0.014285=			
28	0.428571=	58	0.0125=			
29	0.571428=	59	0.0111=			
30	0.714285=	60	0.01=			

MCE-15-FRACTION TO PERCENTAGE				DATE	TIME	SCORE
1	$1/1 =$	31	$6/7 =$			
2	$1/10 =$	32	$1/2 =$			
3	$1/100 =$	33	$2/3 =$			
4	$1/2 =$	34	$3/4 =$			
5	$1/20 =$	35	$4/5 =$			
6	$1/200 =$	36	$5/6 =$			
7	$1/5 =$	37	$6/7 =$			
8	$2/5 =$	38	$7/8 =$			
9	$3/5 =$	39	$8/9 =$			
10	$4/5 =$	40	$9/10 =$			
11	$1/1 =$	41	$1/9 =$			
12	$1/2 =$	42	$2/9 =$			
13	$1/4 =$	43	$3/9 =$			
14	$1/8 =$	44	$1/11 =$			
15	$1/16 =$	45	$2/11 =$			
16	$1/32 =$	46	$3/11 =$			
17	$1/8 =$	47	$1/12 =$			
18	$3/8 =$	48	$5/12 =$			
19	$5/8 =$	49	$7/12 =$			
20	$7/8 =$	50	$11/12 =$			
21	$1/3 =$	51	$1/12 =$			
22	$1/6 =$	52	$10/12 =$			
23	$1/12 =$	53	$1/24 =$			
24	$1/24 =$	54	$10/24 =$			
25	$1/48 =$	55	$5/12 =$			
26	$1/7 =$	56	$1/60 =$			
27	$2/7 =$	57	$1/70 =$			
28	$3/7 =$	58	$1/80 =$			
29	$4/7 =$	59	$1/90 =$			
30	$5/7 =$	60	$1/100 =$			

MCE-16-PERCENTAGE TO FRACTION				DATE	TIME	SCORE
1	100.00%=	31	85.71%=			
2	10.00%=	32	50.00%=			
3	1.00%=	33	66.67%=			
4	50.00%=	34	75.00%=			
5	5.00%=	35	80.00%=			
6	0.50%=	36	83.33%=			
7	20.00%=	37	85.71%=			
8	40.00%=	38	87.50%=			
9	60.00%=	39	88.89%=			
10	80.00%=	40	90.00%=			
11	100.00%=	41	11.11%=			
12	50.00%=	42	22.22%=			
13	25.00%=	43	33.33%=			
14	12.50%=	44	9.09%=			
15	6.25%=	45	18.18%=			
16	3.13%=	46	27.27%=			
17	12.50%=	47	8.33%=			
18	37.50%=	48	41.67%=			
19	62.50%=	49	58.33%=			
20	87.50%=	50	91.67%=			
21	33.33%=	51	8.33%=			
22	16.67%=	52	83.33%=			
23	8.33%=	53	4.17%=			
24	4.17%=	54	41.67%=			
25	2.08%=	55	41.67%=			
26	14.29%=	56	1.67%=			
27	28.57%=	57	1.43%=			
28	42.86%=	58	1.25%=			
29	57.14%=	59	1.11%=			
30	71.43%=	60	1.00%=			