

```

10  RANDOMIZE TIME
20  MODE 1 : BORDER 0 : INK 0,0 : INK 1,16 : INK 2,20 : INK
    3,24 : PAPER 0 : PEN 2 : CLS
30  PRINT SPACE$(8); "MINOTAUR MASTER-MIND"
40  PRINT : PRINT : PRINT : PRINT "Level of Difficulty (1-9
    )";
50  ld=VAL(INKEY$) : IF ld<1 OR ld>9 THEN 50 ELSE PRINT ld
60  SYMBOL AFTER 136 : SYMBOL 136,165,126,219,126,102,126,8
    2,60 : SYMBOL 144,198,108,56,56,108,198,198,0 : SYMBOL 1
    52,60,108,6,12,24,0,24,0 : SYMBOL 160,0,102,60,255,60,10
    2,0,0 : SYMBOL 168,16,56,124,254,124,56,16,0
70  FOR i=1 TO 8 : PRINT : NEXT : PRINT SPACE$(9); "Hit any
    Key to Start"
80  IF INKEY$="" THEN 80
90  DIM sc(40,21)
100 ts=0 : nc=0 : FOR i=1 TO 10 : t(i)=0 : NEXT : r=1 : sn=
    INT(RND(1)*1000) : rs=sn : d1=INT(sn/100) : d2=INT((sn-d
    1*100)/10) : d3=INT(sn-d1*100-d2*10)

```

```

110 :
120 CLS : pr=13 : pc=2 : mr=pr : mc=20
130 FOR i=1 TO 40 : FOR j=5 TO 21 : sc(i,j)=32 : NEXT : NEX
    T
140 FOR i=2 TO 39 : FOR j=6 TO 20 : k1=INT(RND(1)*13) : LOC
    ATE i,j : PEN 1 : IF k1<10 THEN PRINT CHR$(k1+48) : sc(i
    ,j)=k1+48 : GOTO 180
150 PEN 3 : IF k1=10 THEN PRINT CHR$(144) : sc(i,j)=144 : G
    OTO 180
160 IF k1=11 THEN PRINT CHR$(152) : sc(i,j)=152 : GOTO 180
170 PRINT CHR$(160) : sc(i,j)=160
180 NEXT : NEXT
190 sc(pc,pr)=48 : LOCATE pc,pr : PEN 1 : PRINT "0" : ls=0
    : cu=sc(mc,mr) : LOCATE mc,mr : PEN 2 : PRINT CHR$(136)
    : sc(39,pr)=168 : LOCATE 39,pr : PRINT CHR$(168) : cp=48

200 LOCATE 1,1 : PRINT "  Round #";r;SPACE$(8);"Level ";ld
210 GOSUB 1700

```

```

220 :
230 c=0 : q=1
240 x$=INKEY$ : c=c+1
250 IF c=7 THEN q=1-q : c=0
260 IF q<>0 THEN 290
270 IF sc(pc,pr)=233 THEN sc(pc,pr)=cp : LOCATE pc,pr : PRI
    NT CHR$(cp) : q=1 : GOTO 290
280 sc(pc,pr)=233 : LOCATE pc,pr : PRINT CHR$(233) : q=1
290 IF x$="" THEN 240

```

```

300 GOSUB 1670
310 IF x$="t" OR x$="T" THEN 740
320 IF x$="p" OR x$="P" THEN 420
330 IF x$="o" OR x$="O" THEN 460
340 IF x$="@" OR x$="|" THEN 500
350 IF x$=";" OR x$="+" THEN 700
360 IF x$="-" OR x$="=" THEN 580
370 IF x$="0" OR x$=" " THEN 620
380 IF x$="1" OR x$="L" THEN 660
390 IF x$=":" OR x$="*" THEN 540
400 GOTO 240

```

```

410 :
420 IF sc(pc,pr-1)=32 THEN 240
430 ls=cp-48
440 sc(pc,pr)=32 : LOCATE pc,pr : PRINT "▲" : pr=pr-1
450 GOTO 760
460 IF sc(pc-1,pr)=32 THEN 240
470 ls=cp-48
480 sc(pc,pr)=32 : LOCATE pc,pr : PRINT "▲" : pc=pc-1
490 GOTO 760
500 IF sc(pc+1,pr)=32 THEN 240
510 ls=cp-48
520 sc(pc,pr)=32 : LOCATE pc,pr : PRINT "▲" : pc=pc+1
530 GOTO 760
540 IF sc(pc,pr+1)=32 THEN 240
550 ls=cp-48
560 sc(pc,pr)=32 : LOCATE pc,pr : PRINT "▲" : pr=pr+1
570 GOTO 760
580 IF sc(pc+1,pr-1)=32 THEN 240
590 ls=cp-48
600 sc(pc,pr)=32 : LOCATE pc,pr : PRINT "▲" : pr=pr-1 : pc
pc+1
610 GOTO 760
620 IF sc(pc-1,pr-1)=32 THEN 240
630 ls=cp-48
640 sc(pc,pr)=32 : LOCATE pc,pr : PRINT "▲" : pr=pr-1 : pc
pc-1
650 GOTO 760
660 IF sc(pc-1,pr+1)=32 THEN 240
670 ls=cp-48
680 sc(pc,pr)=32 : LOCATE pc,pr : PRINT "▲" : pc=pc-1 : pr
pr+1
690 GOTO 760
700 IF sc(pc+1,pr+1)=32 THEN 240
710 ls=cp-48
720 sc(pc,pr)=32 : LOCATE pc,pr : PRINT "▲" : pc=pc+1 : pr
pr+1
730 GOTO 760
740 GOSUB 880 : IF (mr<>pr) OR (mc<>pc) THEN 740 ELSE 1570

```

```

750 :
760 cp=sc(pc,pr)
770 IF (ls>9) OR (ls<1) THEN ls=0
780 IF cp=152 THEN GOSUB 1050
790 IF cp=144 THEN GOSUB 1080

```

```

800 IF cp=160 THEN GOSUB 1510
810 IF cp=168 THEN 1730
820 k1=cp-48 : IF k1<0 OR k1>9 THEN k1=0
830 IF 1s+k1>=10-1d THEN GOSUB 880
840 ts=ts+k1 : GOSUB 1700
850 IF (pr=mr) AND (pc=mc) THEN 1570
860 GOTO 230

```

```

870 :
880 t1=mc : t2=mr
890 IF mc<>pc THEN 920
900 IF mr>pr THEN mr=mr-1 : GOTO 980
910 mr=mr+1 : GOTO 980
920 IF mr<>pr THEN 950
930 IF mc>pc THEN mc=mc-1 : GOTO 980
940 mc=mc+1 : GOTO 980
950 IF mc>pc THEN 970
960 mc=mc+1 : GOTO 980
970 IF mr<pr THEN mr=mr+1 ELSE mr=mr-1
980 sc(t1,t2)=cu : LOCATE t1,t2 : IF cu<58 THEN t3=1 ELSE t
3=3
990 PEN t3 : PRINT CHR$(cu)
1000 cu=sc(mc,mr)
1010 sc(mc,mr)=136 : LOCATE mc,mr : PEN 2 : PRINT CHR$(136)
1020 SOUND 1,200,15,15
1030 RETURN

```

```

1040 :
1050 i=INT(RND(1)*10) : sc(pc,pr)=i+48 : LOCATE pc,pr : PEN
1 : PRINT CHR$(i+48)
1060 cp=i+48 : RETURN

```

```

1070 :
1080 sc(pc,pr)=48 : LOCATE pc,pr : PEN 1 : PRINT "0" : FOR i
=1000 TO 200 STEP -100 : SOUND 1,i,8,15 : NEXT
1090 IF nc >= 9 THEN 1190
1100 k2=INT(RND(1)*9+1) : IF t(k2)=1 THEN 1100
1110 t(k2)=1 : nc=nc+1
1120 ON k2 GOTO 1130,1150,1190,1220,1260,1290,1340,1360,1410
1130 LOCATE 4,3 : PEN 3 : PRINT "Sum of Digits of Secret" :
LOCATE 4,4 : PRINT "Number Equals";
1140 PRINT d1+d2+d3 : RETURN
1150 LOCATE 4,3 : PEN 3 : PRINT "Secret Number is";
1160 IF sn/2 = INT(sn/2) THEN PRINT "Even" : GOTO 1180
1170 PRINT "Odd"
1180 RETURN
1190 k=INT(RND(1)*200+sn) : j=k-200 : IF j<0 THEN j=0
1200 IF k>1000 THEN k=1000
1210 LOCATE 4,3 : PEN 3 : PRINT "Number is Between";j : LOCA
TE 4,4 : PRINT "and";k : RETURN

```



```

1220 LOCATE 4,3 : PEN 3 : PRINT "Number is ";
1230 IF sn/5 = INT(sn/5) THEN PRINT "Divisible" : GOTO 1250
1240 PRINT "Not Divisible"
1250 LOCATE 4,4 : PRINT "by 5" : RETURN
1260 l=d1 : IF d2>1 THEN l=d2
1270 IF d3>1 THEN l=d3
1280 LOCATE 4,3 : PEN 3 : PRINT "Largest Digit in the" : LOC
ATE 4,4 : PRINT "Secret Number is ";l : RETURN
1290 LOCATE 4,3 : PEN 3 : PRINT "First Digit in the Secret"
: LOCATE 4,4 : PRINT "Number is ";
1300 IF d1>5 THEN PRINT "Larger than 5" : GOTO 1330
1310 IF d1<5 THEN PRINT "Less than 5" : GOTO 1330
1320 PRINT "Equal to 5"
1330 RETURN
1340 LOCATE 4,3 : PEN 3 : PRINT "Sum of First and Third" : L
OCATE 4,4 : PRINT "Digits is ";
1350 PRINT d1+d3 : RETURN
1360 LOCATE 4,3 : PEN 3 : PRINT "One of the Digits in the" :
LOCATE 4,4 : PRINT "Secret Number is ";
1370 k=INT(RND(1)*3) : IF k=0 AND sn>99 THEN PRINT d1 : GOTO
1400
1380 IF k=1 AND sn>9 THEN PRINT d2 : GOTO 1400
1390 PRINT d3
1400 RETURN
1410 LOCATE 4,3 : PEN 3 : PRINT "Product of the Non-Zero" :
LOCATE 4,4 : PRINT "Digits is ";
1420 IF d1=0 AND d2=0 THEN PRINT d3 : GOTO 1490
1430 IF d1=0 AND d3=0 THEN PRINT d2 : GOTO 1490
1440 IF d1=0 THEN PRINT d2*d3 : GOTO 1490
1450 IF d2=0 AND d3=0 THEN PRINT d1 : GOTO 1490
1460 IF d2=0 THEN PRINT d1*d3 : GOTO 1490
1470 IF d3=0 THEN PRINT d1*d2 : GOTO 1490
1480 PRINT d1*d2*d3
1490 RETURN

1500 :
1510 sc(pc,pr)=48 : LOCATE pc,pr : PEN 1 : PRINT "0"
1520 IF ts<11 THEN RETURN
1530 i=INT(RND(1)*100) : IF i>50 THEN ts=ts-10 : SOUND 1,300
0,55,15 : RETURN
1540 IF i<10 THEN ts=ts+50 : SOUND 1,40,15,15 : RETURN
1550 ts=ts+10 : SOUND 1,200,15,15 : RETURN

1560 :
1570 CLS : IF pr=mr AND pc=mc THEN 1610
1580 FOR i=1 TO 17 : PRINT SPACE$(9);"Congratulations!" : N
EXT : PRINT
1590 PRINT "You have beaten the minotaur" : PRINT "Your scor
e is ";ts
1600 PRINT "in ";r;" rounds" : GOTO 1630
1610 FOR i=1 TO 17 : PRINT SPACE$(4);"MINOTAUR WINS MINOTAL
R WINS" : NEXT : PRINT
1620 PRINT "The secret number was ";sn
1630 PRINT : PRINT "Hit any key for another game"
1640 IF INKEY$="" THEN 1640
1650 RUN

```

```

1660 :
1670 LOCATE 1,3 : PRINT SPACE$(79)
1680 RETURN

1690 :
1700 LOCATE 2,22 : PEN 2 : PRINT "Total_Score_";ts;TAB(21);"
    Last_Score_";ls;
1710 RETURN

1720 :
1730 LOCATE 4,3 : PEN 3 : PRINT "Guess_at_the_Secret_Number"

1740 LOCATE 4,4 : INPUT "and_press_RETURN";k$
1750 i=VAL(k$) : IF i=sn THEN 1570
1760 q1=INT(i/100) : q2=INT((i-q1*100)/10) : q3=i-q1*100-q2*
    10
1770 CLS : PRINT : IF d1=q1 THEN PRINT "First_Digit_Correct"
    : PRINT
1780 IF d2=q2 THEN PRINT "Second_Digit_Correct" : PRINT
1790 IF d3=q3 THEN PRINT "Third_Digit_Correct"
1800 IF d1<>q1 AND d2<>q2 AND d3<>q3 THEN PRINT "No_Digits_C
    orrect"
1810 FOR t=1 TO 2000 : NEXT
1820 r=r+1 : GOTO 120

```

ChexSum Tables

10 = 583	220 = 0	430 = 1273
20 = 2172	230 = 1002	440 = 3986
30 = 2186	240 = 1791	450 = 472
40 = 3014	250 = 2493	460 = 2485
50 = 4135	260 = 1067	470 = 1273
60 = 8704	270 = 6625	480 = 3956
70 = 3912	280 = 3991	490 = 472
80 = 1231	290 = 1320	500 = 2484
90 = 770	300 = 361	510 = 1273
100 = 13736	310 = 2416	520 = 3955
110 = 0	320 = 2311	530 = 472
120 = 2996	330 = 2349	540 = 2484
130 = 3689	340 = 2387	550 = 1273
140 = 9132	350 = 2246	560 = 3985
150 = 3816	360 = 2130	570 = 472
160 = 3596	370 = 2207	580 = 2744
170 = 2145	380 = 2288	590 = 1273
180 = 353	390 = 2084	600 = 5189
190 = 10820	400 = 462	610 = 472
200 = 3042	410 = 0	620 = 2745
210 = 391	420 = 2485	630 = 1273

640 = 5190
650 = 472
660 = 2744
670 = 1273
680 = 5189
690 = 472
700 = 2743
710 = 1273
720 = 5188
730 = 472
740 = 3737
750 = 0
760 = 1790
770 = 2832
780 = 1511
790 = 1533
800 = 1724
810 = 1506
820 = 3675
830 = 2602
840 = 1916
850 = 2948
860 = 452
870 = 0
880 = 1805
890 = 1620
900 = 3094
910 = 1664
920 = 1648
930 = 3066
940 = 1634
950 = 1666
960 = 1634
970 = 4069
980 = 5032
990 = 1447
1000 = 1789
1010 = 3512
1020 = 688
1030 = 201
1040 = 0

1050 = 5862
1060 = 1356
1070 = 0
1080 = 6014
1090 = 1305
1100 = 3326
1110 = 2089
1120 = 2504
1130 = 4831
1140 = 1786
1150 = 2415
1160 = 3409
1170 = 570
1180 = 201
1190 = 5036
1200 = 1987
1210 = 4120
1220 = 1769
1230 = 4010
1240 = 1551
1250 = 1079
1260 = 2828
1270 = 2051
1280 = 5291
1290 = 4638
1300 = 2757
1310 = 2562
1320 = 1139
1330 = 201
1340 = 4322
1350 = 1251
1360 = 5121
1370 = 4415
1380 = 2797
1390 = 515
1400 = 201
1410 = 4433
1420 = 2846
1430 = 2846
1440 = 2525
1450 = 2846

1460 = 2525
1470 = 2525
1480 = 1588
1490 = 201
1500 = 0
1510 = 3051
1520 = 1342
1530 = 4866
1540 = 3047
1550 = 2153
1560 = 0
1570 = 2933
1580 = 3795
1590 = 4989
1600 = 2001
1610 = 4144
1620 = 2759
1630 = 3083
1640 = 1261
1650 = 202
1660 = 0
1670 = 963
1680 = 201
1690 = 0
1700 = 4360
1710 = 201
1720 = 0
1730 = 3221
1740 = 2250
1750 = 2470
1760 = 6408
1770 = 3931
1780 = 3686
1790 = 3399
1800 = 5479
1810 = 1419
1820 = 1351

TOTAL = 448869