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10 '*****
20 '* WER IST GUT IM KOPFRECHNEN *
30 '*                               *
40 '*           ERNST ANDRES       *
50 '*           FUER               *
60 '*           SCHNEIDER AKTIV    *
70 '*           CPC 464/664/6128   tb*
80 '*****
120 INK 0,1:MODE 1:BORDER 3
130 a$="WER IST GUT IM KOPFRECHNEN
?" :x=20:y=155:xr=2.7:yr=10:p=1:v=0
140 PEN p:PRINT a$:LOCATE 9,23:PRIN
T" (c) 1987 Ernst Andres , Waldstr
asse 6                               6601 Kleinblitter
sdorf"
150 PLOT 1,135:DRAW 640,135:PLOT 1,
140:DRAW 640,140:PLOT 1,265:DRAW 64
0,265:PLOT 1,270:DRAW 640,270
160 FOR n=384 TO 400 STEP 2
170 FOR i=1 TO LEN(a$)*16 STEP 2
180 IF TEST(i,n)<>p THEN 200
190 FOR r=0 TO xr-1:PLOT r+x,y,p:DR
AWR 0,yr,p:NEXT
200 x=x+xr:NEXT i
210 x=x-LEN(a$)*8*xr+v:y=y+yr:NEXT
220 CLS
230 ' -----
-----
240 WINDOW#1,2,39,2,3:WINDOW#3,2,39
,23,24:WINDOW#0,2,39,6,20
250 WINDOW#4,1,40,1,4:WINDOW#5,1,40
,5,21:WINDOW#6,1,40,22,25:FOR n=4 T
O 6:PEN#n,9:NEXT
260 DEFINT a-z:DIM o(20) ,u(20)
270 o$=CHR$(150)+STRING$(38,CHR$(15
4))+CHR$(156):u$=CHR$(147)+STRING$(
38,CHR$(154))+CHR$(153):m$=CHR$(149
)+SPACE$(38)+CHR$(149)
280 FOR n=4 TO 6:PRINT#n,o$;:NEXT
290 FOR n=1 TO 2:PRINT#4,m$;:NEXT:P
RINT#4,u$;
300 FOR n=1 TO 15:PRINT#5,m$;:NEXT:
PRINT#5,u$;
310 FOR n=1 TO 2:PRINT#6,m$;:NEXT:P
RINT#6,u$;
320 BORDER 9:PAPER 0
330 ' -----
-----
340 PRINT#1,"           Rechenaufgaben -
Generator           fuer die Grundrec
henarten + - . : "
350 CLS#0:CLS#3
360 PRINT#3,"           - Werte in < MENUE
> einsetzen -"
370 WINDOW#7,3,38,9,14
380 PRINT#7,STRING$(36,"*");
390 PRINT#7,"* Rechenzeichen (+-.:)
";TAB(36)"*";
400 PRINT#7,"* Schwierigkeitsgrad (
1,2,3)";TAB(36)"*";

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1 PRINT#7,STRING$(36,"*")
420 LOCATE#7,30,2:PRINT#7,CHR$(243)
;:INPUT#7," ";zei$
430 LOCATE#7,30,3:PRINT#7,CHR$(243)
;:INPUT#7," ";lev$
440 LOCATE#0,2,15:PRINT#0,"Dein Vor
name: ";:INPUT#0,"",name$
450 CLS#1
460 PRINT#1,"          Grundrechen
art: "; " * ";zei$; " * ";:PRINT#1,"
      Schwierigkeitsgrad: "; " * ";lev
$; " * "
470 WINDOW#2,31,39,6,19
480 CLS#0:CLS#2:CLS#3
490 r=0:f=0
500 o$=CHR$(150)+STRING$(7,CHR$(154
))+CHR$(156):u$=CHR$(147)+STRING$(7
,CHR$(154))+CHR$(153):m$=CHR$(149)+
SPACE$(7)+CHR$(149)
510 PRINT#2,o$;
520 FOR n=1 TO 12:PRINT#2,m$;:NEXT:
PRINT#2,u$;
530 PLOT 553,115:DRAWR 0,185:PLOT 5
10,286:DRAWR 80,0
540 LOCATE#2,3,2:PRINT#2,"R"
550 LOCATE#2,7,2:PRINT#2,"F"
560 FOR i=1 TO 10
570 ' -----
580 ' aufgaben bilden (s. unterprog
ramm)
590 ' -----
600 GOSUB 810
610 LOCATE#0,5,i+2
620 PRINT TAB(2)USING"##";i;:PRINT"
.");
630 PRINT TAB(7)USING"##";num(i);:P
RINT TAB(10)zei$(i);
640 PRINT TAB(12)USING"##";ope(i);
650 PRINT TAB(15)"=";
660 INPUT " ";in(i)
670 IF zei$="+" THEN GOSUB 960
680 IF zei$="-" THEN GOSUB 1080
690 IF zei$="." THEN GOSUB 1190
700 IF zei$=":" THEN GOSUB 1320
710 LOCATE#0,24,15:PRINT#0,"Summe: "
;:PRINT#0,CHR$(32);:PRINT#0,USING"
#";r;:PRINT#0,CHR$(32);CHR$(149);:P
RINT#0,USING"##";f
720 NEXT
730 IF r=10 THEN 740 ELSE 760
740 PRINT#3,"          "name$;" Du bis
t spitze ! ";CHR$(224)
750 FOR t=1 TO 6000:NEXT:GOTO 780
760 PRINT#3," "name$;" Du hast leid
er ";CHR$(243);f;CHR$(242);" Fehl
er " " gemacht ! " ;CHR$(225
);CHR$(32);CHR$(225);CHR$(32);CHR$(
225)

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770 FOR t=1 TO 6000:NEXT
780 GOSUB 1340
790 i$=LOWER$(INKEY$):IF i$="n" THE
N 480 ELSE IF i$="m" THEN 350
800 GOTO 790
810 zei$(i)=zei$
820 IF zei$="+" THEN GOTO 890
830 IF zei$="-" THEN GOTO 1000
840 IF zei$="." THEN GOTO 1120
850 IF zei$=":" THEN GOTO 1230
860 ' -----
870 ' addieren
880 ' -----
890 num(i)=INT(RND(TIME)*100):IF le
v$="1" AND num(i)>10 THEN 890
900 IF lev$="2" AND num(i)>50 THEN
890
910 IF lev$="3" AND num(i)>100 THEN
890
920 ope(i)=INT(RND(TIME)*100):IF le
v$="1" AND ope(i)>10 THEN 920
930 IF lev$="2" AND ope(i)>20 THEN
920
940 IF lev$="3" AND ope(i)>50 THEN
920
950 RETURN
960 IF in(i)=num(i)+ope(i) THEN 1360
ELSE 1370
970 ' -----
980 ' subtrahieren
990 ' -----
1000 num(i)=INT(RND(TIME)*100):IF l
ev$="1" AND num(i)>10 THEN 1000
1010 IF lev$="2" AND num(i)>50 THEN
1000
1020 IF lev$="3" AND num(i)>100 THE
N 1000
1030 ope(i)=INT(RND(TIME)*100):IF l
ev$="1" AND ope(i)>10 THEN 1030
1040 IF lev$="2" AND ope(i)>20 THEN
1030
1050 IF lev$="3" AND ope(i)>50 THEN
1030
1060 erg(i)=num(i)-ope(i):IF erg(i)
<0 THEN 1000
1070 RETURN
1080 IF in(i)=num(i)-ope(i) THEN 136
0 ELSE 1370
1090 ' -----
1100 ' multiplizieren
1110 ' -----
1120 num(i)=INT(RND(TIME)*100):IF l
ev$="1" AND num(i)>10 THEN 1120
1130 IF lev$="2" AND num(i)>20 THEN

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1120
1140 IF lev$="3" AND num(i)<10 OR num(i)>20 THEN 1120
1150 ope(i)=INT(RND(TIME)*100):IF lev$="1" AND ope(i)>10 THEN 1150
1160 IF lev$="2" AND ope(i)>10 THEN 1150
1170 IF lev$="3" AND ope(i)<10 OR ope(i)>20 THEN 1150
1180 RETURN
1190 IF in(i)=num(i)*ope(i) THEN 1360 ELSE 1370
1200 ' -----
-----
1210 ' dividieren
1220 ' -----
-----
1230 num(i)=INT(RND(TIME)*100):IF lev$="1" AND num(i)>25 THEN 1230
1240 IF lev$="2" AND num(i)>50 THEN 1230
1250 IF lev$="3" AND num(i)>100 THEN 1230
1260 ope(i)=INT(RND(TIME)*50):IF lev$="1" AND ope(i)<2 OR ope(i)>10 THEN 1260
1270 IF lev$="2" AND ope(i)<4 OR ope(i)>10 THEN 1260
1280 IF lev$="3" AND ope(i)<6 OR ope(i)>10 THEN 1260
1290 erg(i)=FIX(num(i)/ope(i)):IF erg(i)<2 OR erg(i)>50 THEN 1230
1300 IF num(i)-(erg(i)*ope(i))>0 THEN 1230
1310 RETURN
1320 IF in(i)=erg(i) THEN 1360 ELSE 1370
1330 ' -----
-----
1340 PRINT#3,"      <N> Neustart mit anderen Zahlen
                                <M> Menue
                                "
1350 RETURN
1360 LOCATE#2,3,3+i:PRINT#2,CHR$(224):r=r+1:RETURN
1370 LOCATE#2,7,3+i:PRINT#2,CHR$(225):f=f+1:RETURN

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