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5  REM MATHE-UEBUNGSPROGRAMM
10 OUTCHAR 12
20 PRINT; PRINT ".....MATHE-UEBUNG....."
25 PRINT; PRINT
30 INPUT "SCHWIERIGKEIT ? (1,2,3,4)" S
40 IF S<1 GOTO 30
45 IF S>4 GOTO 30
50 K=16000; L=180
60 IF S>3 GOTO 140
70 K=4000; L=90
80 IF S>2 GOTO 140
90 K=1000; L=45
100 IF S>1 GOTO 140
110 K=400; L=22
140 F=0; U=0
150 U=U+1
160 FOR I=1 TO 32
170 PRINT "-",
180 NEXT I
190 PRINT #4,U,". ",
200 M=RND(5)*20+280
210 GOTO M
300 A=RND(K); B=RND(K)
310 PRINT A,"+X=",A+B; GOTO 400
320 A=RND(2*K); B=RND(2*K)
330 PRINT A,"-X=",A-B; GOTO 400
340 A=RND(L); B=RND(L)
350 PRINT A,"*X=",A*B; GOTO 400
360 A=RND(L); B=RND(L)
370 PRINT A*B,"/X=",A; GOTO 400
380 B=RND(L)
390 PRINT "      X*X=",B*B,
400 INPUT " ",X
410 IF X=B GOTO 500
420 PRINT; PRINT "FALSCH !"; TAB(14)
440 PRINT "X=",#5,B
450 F=F+1; GOTO 505
500 PRINT; TAB(22); PRINT "RICHTIG ",
505 IF U<50 GOTO 150
510 W=INCHAR; OUTCHAR W
530 IF W=13 GOTO 150
600 PRINT; PRINT
610 PRINT #3,F," FEHLER IN",#4,U," AUFGABEN"
620 PRINT; PRINT; PRINT
630 Z=U-F; Y=100*Z
640 PRINT"DAS SIND",#3,Y/U," % RICHTIG !"
650 STOP

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