puzzle answers

50 PRINT Page 15 Name and message program PRINT PRINT PRINT INPUT "OTTITH" "HOW ARE "WHAT IS YOUR NAME" Z Z YOU

Page 17 Sums program

8 8 8 END LET B=7 PRINT PRINT A * B, A/B LET B=B+3 F PRINT A/B LET A=9 A = A + 1A*Bleave space Comma to

END

2

Spaces

8 PRINT A; " TIMES ";B; " IS ";A*B
PRINT A; " DIVIDED BY ";B; " IS "; A/B

Name and message alterations

INPUT PRINT " HELLO "; NS; " HOW ARE YOU Z

PRINT "WHAT IS YOUR NAME"

Page 18 Sums program

8 10 PRINT "WHAT IS 7 TIMES 7" IF A<>49 THEN IF A=49 THEN PRINT "CORRECT" PRINT "NO":7*7

quotes, like this. You need a semi-colon after the

Page 19

Age guessing game

35 IF G>14 THEN PRINT "YOUNGER 30 IF G<14 THEN PRINT "OLDER Replace line 30 and add a new line 35: THAN THAT THAN THAT

Page 23 Plotting counter

ଞ 45 LET C=0 LET C=C+1 IF C<6 THEN GOTO 10

Plotting your initial

the letter L. Here is an example of a program to plot

න 8 40 70 20 ဗ 0 PLOT (X,Y)
IF X<45 THEN PLOT IF Y>5 THEN LET X=X+1 LET Y=Y-1 E LET Y=30 X = 15(X,X) GOTO GOTO 30 න

Random numbers Page 24

between I and II, then add 9. eleven possible numbers between 10 and 20 so you need to pick random numbers RND, it would be RND(11)+9. There are need only a number in brackets after INT(RND(1)*11+9). On computers which between 10 and 20 would be The formula for a random number

Space attack Page 25

count the number of hits: These are the lines you need to add to

15 PRINT YOU HIT;S;" OUT OF 6 A IF X=A*B THEN LET S LET S=0 ALIENS" S+1

Page 27

Eight times table

ଞ 8 5 NEXT PRINT J; "x8 = "; J*8 PRINT "THE EIGHT FOR J=1 TO TIMES TABLE"

2 Page 27 N times table

8 5 PRINT NPUT Z TIMES TABLE" "HERE TYPE. Ż \mathbf{z} H A NUMBER"; N

න 6 INPUT "ANOTHER NUMBER (Y PRINT I;" FOR I= o TIMES ";N;" 12 S ":I*N or N)

7 IF MS="Y" THEN GOTO S

and INPUT lines For the ZX81 you need separate PRINT

Page 32 Computer book string puzzle

MID\$(A\$,5,8) is LEFT\$(A\$,8) is RIGHT\$(A\$,10) is "PUTER BOOK "COMPUTER "UTER BOO"

Page Number trick program

80 ଞ PRINT PRINT PRINT "DIVIDE BY "DOUBLE THINK OF ço ADD 4" NUMBER ADD

8 PRINT PRINT SUBTRACT 12" "DIVIDE "MULTIPLY BY BΥ څ AND TAK

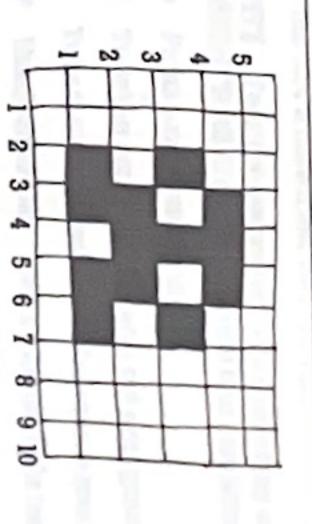
INPUT PRINT AWAY "TELL ME H RESULT

ප

PRINT THOUGHT HE Q NUMBER S 2 2/2 YOU FIRST

do the sum in the order to make the computer you want You need the brack

Space invaders repeat program



squared paper. Draw a simple space invaders shape on

> 5 5 6,5

ω ج

5.4

ů بة. ب

32

4,2: 6,2:

7,2

squares which make up the space invader. Then work out the co-ordinates of all th

8

5 CLS INPUT MOH. MANY POINTS ACROSS H SCREEN"; W

න S MOH. LINANI V STEP MANY UP";V ٧<u>/</u>6

FOR I=0 TO FOR J=0 TO STEP ₩/6

130 140 g NEXT NEXT END

Now you need to put your own plot lines not need them.) random pattern for the program so you do shown above. (These lines produce the excluding lines 10 to 40 and 90 to 140, Copy out the pattern repeat program, 25

get a bug you have made the number too big. Put your plot lines here, e.g times the invader shape repeats on the screen. (If you Change the 6 to a higher figure to increase the number

program line for each square. space invader shown above. for the two PLOT TOTA Q+3, bottom left-hand squares of the der shown above. You need a

invader repeat the second figure, to make the space you need to add J to the first figure and program). For each pair of co-ordinates (you can renumber the lines in the into the program between lines 80 and