```
410  NEXT G
420  PRINT "YOU LOSE"
430  STOP
440  PRINT "DUMMY-YOU SHOT THE KLINGON"
450  STOP
```

Snooker

This game of snooker is a two player game. For those unfamiliar with snooker, we'll explain. The game consists of potting the balls. At the start of each break, you try and pot a red. If successful, you gain one point, and the right to aim at potting a 'colour', i.e. a non-red ball.

If you are successful again, you'll gain the number of points the ball is worth. Once you've potted a 'colour', you must try for a red again and so on. This continues until you fail to pot a ball, and the play then passes to your opponent.

The point values for the balls are as follows:

```
1 – red
2 – yellow
3 – green
4 – brown
5 – blue
6 – pink
7 – black
```

Snooker Listing

```
 10  LET Z = – 1
 20  LET W = 0
 30  LET V = 2
 40  LET X = 0
 50  LET Y = 0
 60  DIM S(1)
 70  DIM C(7)
 80  DIM R(15)
 90  LET Z = Z + 1
100  IF Z > 1 THEN LET Z = 0
110  LET B = 0
120  GOSUB 650
130  IF X = 15 THEN LET Y = 1
140  IF Y = 1 THEN GOTO 390
150  PRINT "REDS"
160  FOR I = 1 TO 15
170  PRINT I;"-";
180  IF R(I) = – 1 THEN GOTO 220
190  LET R(I) = RND(10)
200  PRINT R(I)
210  GOTO 230
220  PRINT "P"
230  NEXT I
240  PRINT "POTT?"
250  INPUT P
260  IF NOT R(P) = – 1 THEN GOTO 320
270  PRINT "FOUL"
280  LET S((Z = 1) + 1) = S((Z = 1) + 1) + 4
290  INPUT A$
300  CLS
310  GOTO 90
320  IF RND(R(P)) > 2 – 3 * (B = 0) THEN GOTO 350
330  PRINT "MISS"
340  GOTO 290
350  LET S(Z) = S(Z) + 1
360  LET B = B + 1
370  LET X = X + 1
380  LET R(P) = – 1
```

It is good policy to try and sink the higher value balls after each red, if you can.

Fouls

Before any shot, a table is displayed, giving the ball number and the chance of potting it, from one to ten (that is, impossible to fairly easy). If any ball has been previously potted, then a P will be shown against it.

Trying to pot an already potted ball will result in a FOUL being called, and four points will be given to your opponent.

Once a red has been potted, a similar table will be given for the other colours. You'll see that it becomes easier to continue with a break once the first ball has been potted.

When all the reds have been cleared, and a colour has been taken with the last red, the colours must be taken in the order 2, 3, 4, 5, 6, and 7 (that is, yellow, green, brown, blue, pink and black). If they are taken out of order, a FOUL is called.

```
390  GOSUB 650
400  PRINT "COL"
410  FOR I = 2 TO 7
420  PRINT I;"-";
430  IF C(I) = – 1 THEN GOTO 470
440  LET C(I) = 10 – I + RND(I)
450  PRINT C(I)
460  GOTO 480
470  PRINT "P"
480  NEXT I
490  PRINT "POTT?"
500  INPUT P
510  IF C(P) = – 1 THEN GOTO 270
515  IF Y = 1 AND NOT P = V THEN GOTO 270
520  IF NOT RND(C(P))  1 THEN GOTO 330
530  LET S(Z) = S(Z) + p
540  LET B = B + P
550  IF NOT Y = 1 THEN GOTO 590
560  LET W = W + 1
570  LET C(P) = – 1
580  LET V = V + 1
590  IF W = 6 THEN GOTO 650
600  GOTO 120
650  CLS
660  PRINT "SCORE≜";S(0);"-";S(1)
670  PRINT "PLAYER≜";Z + 1;"≜BREAK≜";B
680  RETURN
```

Golf

Eleven-year-old Andrew Haslam, from Rushall, Walsall, has contributed this golf program, which tells you which hole you're on, and how well you're doing. It ends with some 'advice' to make you a better golfer.

Golf Listing

```
 20  PRINT, "GOLF"
 30  PRINT, "* * * * *"
 40  FOR I = I TO 5
 50  PRINT
 60  NEXT I
 70  LET K = 0
 80  LET K = K + I
 90  PRINT "YOU ARE ON HOLE";K
100  LET Z = RND(5)
110  PRINT "THE BALL IS";
120  IF Z = 1 THEN PRINT "IN THE HOLE"
130  IF Z = 2 THEN PRINT "ON THE GREEN"
140  IF Z = 3 THEN PRINT "IN THE ROUGH"
150  IF Z = 4 THEN PRINT "BEHIND A TREE"
160  IF Z = 5 THEN PRINT "ON TOP OF A TREE"
170  IF Z = 1 THEN LET S = 1
180  IF Z = 2 THEN LET S = 2
190  IF Z = 3 THEN LET S = 3
200  IF Z = 4 THEN LET S = 4
210  IF Z = 5 THEN LET S = 5
220  INPUT A$
230  IF A$ = "S" THEN STOP
240  CLS
250  IF K = 9 THEN GOTO 270
260  GOTO 80
270  PRINT "YOU HAVE FINISHED"
280  LET D = S×9
290  PRINT "YOU HAVE";D
300  IF D < 10 THEN PRINT "SEE YOU AT GLENEAGLES"
310  IF D > 20 THEN PRINT "SELL YOUR CLUBS"
320  IF D > 9 AND D < 21 THEN PRINT "KEEP ON TRYING"
330  PRINT "AGAIN?"
340  INPUT A$
350  IF A$ = "YES" THEN GOTO 10
360  STOP
```