Yahtzee dice loaded!

With reference to Tumbling Dice by Ron Roberts in the November issue of APC I became suspicious of its "fairness" when Yahtzees with ones or sixes seemed almost impossible. Testing the random number expression used [R=INT(RND(1)*5+1.3]I found the probability of getting a one or a six half the probability of getting either 2, 3, 4 or 5. The following program verifies this claim: 10 DIM N(6) 20 FOR I=1 TO 6: N(I)=0: NEXT I 30 PRINT 40 FOR I=1 TO 1000 50 R=INT (5*RND(1) +1.5) 60 N(R)=N(R) + 1 70 NEXT I 80 FOR T=1 TO 6 90 PRINT T "---" N(T) 100 NEXT

May I suggest the more correct formula R=INT(6*RND(1)+1) for a fair game. W Holland

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