Problem appears from 6 dice: 2 6's appear from 12 dice: 2 x (5/6)" x 1/6 = .2691 = 26.91% 65 appear from 18 dice 18 x (5/6)<sup>17</sup> (1/6) = .135 = 13.5% Six appearing from 6 dice rolls, has the highest probability of p= 4018. The odds for 2 from 12 and 3 from 18 are 2691 and 135, respectively. Geometric Urn [Eldraw Ired] = 20 = 1/p p = 1/20 probability of drawing red = 1/20

Therefore, in an urn of 100 balls we would expect there to be 5 red and 95 black balls