$$P = \frac{15 \times 14 \times 13 \times 12 \times 11 \times 10 \times 9 \times 8}{15^8}$$

2. Total number of numbers that neets the requirement is: 5x4x3x1x4+5x4x5x4x3+5x4x3x2x5+5x4x5x3x4

3. 
$$P(A) = 1 - (\frac{1}{2}^3 + \frac{1}{2}^3)$$
  
=  $\frac{3}{4}$ 

J. 
$$P_{\text{CnoStor}} = (\frac{1}{2})^{\frac{1}{3}} = \frac{1}{32} \cdot 5 = 0.15 \cdot 625$$
  
 $P_{\text{(Stor)}} = (0.7)^{\frac{1}{3}} \cdot 0.35 = 0.36115$ 

$$P(starPlayed) = \frac{P(star) \cdot 0.7t}{0.7s \cdot P(star) + 0.2s \cdot P(noStar)} = 0.8737$$