

 $Pblog 4 \qquad P= 0.07692 \qquad = 1/13$ 

2. 
$$C_{10}^{3} = \frac{10!}{3! \cdot 7!} = \frac{8.9.10}{6} = 120$$

$$P = \frac{1}{120} \approx 0.0083$$
3.  $C_{9}^{3} = 84$ ;  $C_{15}^{3} = 45$ 

$$P = \frac{C_{7}^{3}}{C_{15}^{3}} = 0.1846$$

$$P = \frac{24}{C_{15}^3} = 0.1846$$

4. 
$$P = \frac{1}{C_{100}^2} = 0.000 2020$$