- (1) 3! = 3x2x1 = 6 ways
- Total= 5.

  Picking 1 ball = 5 choigs

  Ar = 5 ways
- (3) CAT

  T= 3, All letters are different

  : Use 31 = 3x2x1

  An = 6 way
  - $\frac{4!}{2!(4-2)!} = \frac{4x3x2}{261x2}$

= 6 way

- (B) Total outcome = 2

  Favorable = 1

  Probability =  $\frac{1}{2}$ An = 0.5
- 6 Oile has  $6 \underline{no} = 1 + 0.6$ Only 1 in 4  $= P = \frac{1}{6}$
- Second digit: 2 choices

  total = 3x2 = 6

  An = 6 no

$$Am = \frac{3}{7} = 0.428$$

$$\frac{70}{31 \times (7-3)} = \frac{7 \times 6 \times 5 \times 41}{3 \times 2 \times 41} = 35$$

= 5 XH X3X2 XI

$$\begin{array}{ccc}
(\overline{P}) & \partial_1 + 1 & 3 \\
 & + 1 & 0 & 0 & 0 & 0 \\
P & = & 3 & = \\
A & = & \frac{1}{2}
\end{array}$$

$$\begin{array}{c}
1 = 4 \\
4 C_2 \\
\frac{4x3}{2} = 6 \\
4 = 6
\end{array}$$

(2) Total = 
$$\frac{12}{8}$$
x2=66  
 $q_{xcm} = 5$ x2=10  
 $p = \frac{10}{66} = \frac{5}{3^2}$ 

(a) 
$$3 \omega$$
,  $2m = 28.45 = 1260$   
 $3 \omega$ ,  $1m = 56.10 = 560$   
 $4 \omega = 70$   
 $70 \text{ Total} = 1260 + 560 + 70$   
 $= 1890$