). Probability that one could is diamond, one Card is heart and one is

00/Cl = 12/ = 12/mil popul

of fodorate is either action on drawn

blewette ether Consuly on homes

A= Bred , 5 blade

8pade

Solution

No. of Cards = 52

Diamond Cards = 13

heart = 13

Spade = 13

A Cards drawn without replacement

$$= \frac{13 \times 13 \times 13}{52} \times \frac{13}{51} \times \frac{13}{50} = \frac{2197}{132600}$$

= 0.25 × 0.25 × 0.26

= 0.0165

2) Find the Probability that his on her

Total Percentage = 100

Action Movies = 42% = 42/100

Comedy Movies = 54%. = 54/100

Dyama Movies = 36% = 36/100

a). Javourite is either action on drama

b). Favourite either Comedy on honor $\frac{54}{100} + \frac{12}{100} = \frac{66}{100} = 0.66$

3).

B= 4 white, 7 black

$$P\left(\frac{Black}{A}\right) = \frac{5}{8}$$
; $P\left(\frac{Black}{B}\right) = \frac{7}{11}$

$$P\left(\frac{B}{Black}\right) = \frac{P(B) \times P\left(\frac{Black}{B}\right)}{P(A) \times P\left(\frac{Black}{B}\right) + P(B) \times P\left(\frac{Black}{B}\right)}$$

To Towarday 100

solded = Value Round and

confirmation of the state of th

$$= \frac{1}{2} \times \frac{7}{11}$$

$$\frac{7}{22}$$

6)
$$M = 350870$$
 $C = 12405$
 $Z = 75 => 0.675$

Percentile = $350870 + (0.675) \times (12405)$
 $C : M+20$

= 359,243,375