(-8) 7 × (8) 1

Total Samples : 52

No. of aliamonal : 13 mil is contracted to plant down of the

No. of heart = 13

No. of Spaul = 13

( 2) 9 = ( B) 9 = ( 2) 9 × (6) 9 P(1 is diamond. 1 is heart, 1 is sparle)  $=\frac{13}{52} \times \frac{13}{51} \times \frac{13}{50} =$ 

. 0.0165

2) Action: 42.1. : 42

Company = 54.1. = 54

Drama: 36 1. = 36

Hoser = 121. = 12

(a)P(A)+P(D) = 42 + 36 (2 loo) + 210 (2 loo)

(b) P (c) + P(H) = 54 + 12 = 66

B

Let Black be or

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$$P\left(\frac{\alpha}{A}\right) : \frac{5}{8} \quad P\left(\frac{\alpha}{B}\right) = \frac{7}{11}$$

$$P\left(\frac{B}{A}\right) : Probability of Plank (a) is from B$$

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

$$= \frac{\frac{1}{2} \times \frac{7}{11}}{\frac{1}{2} \times \frac{5}{8} + \frac{1}{2} \times \frac{7}{11}} = \frac{\frac{7}{22}}{\frac{5}{16} + \frac{7}{22}}$$

$$= \frac{0.318}{0.630}$$

$$= 0.505$$

$$M: 350870$$

$$G : 12405$$

Percentile = 350870 + (10.675 + 12405)
= 350,243.375

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