

# Definition of Probability

Part 5



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CLASSES**

## Definition of Probability

1. One card is drawn from a pack of 52 cards. The probability that it is a king or diamond is  
(A)  $1/26$   
(B)  $3/26$   
(C)  $4/13$   
(D)  $3/13$
2. A bag contains 3 white, 3 black and 2 red balls. One by one three balls are drawn without replacing them. The probability that the third ball is red, is  
(A)  $1/2$   
(B)  $1/3$   
(C)  $2/3$   
(D)  $1/4$
3. A bag  $x$  contains 3 white balls and 2 black balls and another bag  $y$  contains 2 white balls and 4 black balls. A bag and a ball out of it are picked at random. The probability that the ball is white is  
(A)  $3/5$   
(B)  $7/15$   
(C)  $1/2$   
(D) None of these.
4. Three houses are available in a locality. Three persons apply for the houses. Each applies for one house without consulting others. The probability that all the three apply for the same house is  
(A)  $8/9$   
(B)  $7/9$   
(C)  $2/9$   
(D)  $1/9$
5. Probability of throwing 16 in one throw with three dice is  
(A)  $1/36$   
(B)  $1/18$   
(C)  $1/72$