Assignment-3

EE22BTECH11012-A.Chhatrapati

Question 10.13.3.37)A child's game has 8 triangles of which 3 are blue and rest are red, and 10 squares of which 6 are blue and rest are red. One piece is lost at random. Find the probability that it is a

 (i) triangle
 (ii) square
(iii) square of blue colour
(iv) triangle of red colour

Solution: Given,

Pieces	Blue coloured	Red coloured	Total number
Triangle	3	5	8
Square	6	4	10

 (i) Probability for lost piece is triangle=$\frac{8}{18}$
 (ii) Probability for lost piece is square=$\frac{10}{18}$
(iii) Probability for lost piece is blue square=$\frac{6}{18}$
(iv) Probability for lost piece is red triangle=$\frac{5}{18}$