

Bhavan's V.M. Public School, Baroda  
Ch-15 Probability

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1. In a bundle of pencils, 8 are black and 17 are red. If one pencil is selected at random, what is the probability of getting a black pencil?
2. A coin is tossed 20 times in which head turn up 13 times. What is the probability of getting a tail in the next toss?
3. In a cricket match, a batswomen hits a boundary 6 times out of 30 balls she plays. Find the probability that she did not hit a boundary.
4. In year 2009, during rainy season of 90 days, it was observed that it rained 20 days only. Then what is the probability that it did not rain?
5. What is the probability of getting odd number on a die?
6. Three coins are tossed simultaneously 100 times with the following frequencies of different outcomes.

outcome	3 Heads	2 Heads	1 Head	No Head
Frequency	13	23	37	27

From the above data, find the probability of getting (i) 2 heads, (ii) 2 tails, (iii) 3 tails.

7. 1000 family with 2 children were selected randomly and the following data was recorded.

Number of boys in family	2	1	0
Number of family	285	615	100

Compute probability of a family chosen at random having  
(a) at most 1 boy  
(b) at least 2 boys

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