

Class 10 Mathematics - Probability

Name: _____

Date: _____

Advanced Worksheet 2

Questions

1. A box contains 8 red, 6 blue and 6 green balls. One ball is selected at random. Find the probability that it is neither blue nor green.
2. A lot contains 120 bulbs of which 15 are defective. Find the probability that a bulb chosen at random is good.
3. A coin is tossed three times. Find the probability of getting exactly three heads.
4. A coin is tossed three times. Find the probability of getting at least one tail.
5. A card is drawn from a deck of cards. Find the probability of drawing a black king.
6. A die is thrown once. Find the probability of getting a number that is not prime.

Answer Key

1. $\frac{8}{20} = \frac{2}{5}$
2. $\frac{105}{120} = \frac{7}{8}$
3. $\frac{1}{8}$
4. $\frac{7}{8}$

5. $\frac{2}{52} = \frac{1}{26}$

6. $\frac{3}{6} = \frac{1}{2}$

