

Name _____

Date _____

Probability of a Chance Event - Independent Practice Worksheet

1. A container contains 3 yellow, 2 orange, and 4 pink roses. Without looking, if James chooses a rose from the container, what is the probability that James will select an orange rose? A pink rose? A yellow rose?

2. Sophia throws a birthday party. There are 7 bowls of ice cream at the party, 4 of which contains chocolate ice cream. What is the probability that a randomly selected bowl will have chocolate ice cream?



3. Jayden goes to the market and purchases some fruit. There are 10 pieces of fruit in the basket, including 4 apples. What is the probability that a randomly selected piece of fruit will be an apple?

4. Drew has a car rental agency. He has 15 vehicles available, of which 5 are Cooper Minis. What is the probability that a randomly selected vehicle will be a Cooper Mini?

5. Ryan has a school bag. He has 6 books, of which 2 are math books. What is the probability that a randomly selected book will be a math book?

6. Harper organizes an official party. There are 20 glasses of cold drinks at the party, 13 of which contains a lemon flavored drink. What is the probability that a randomly selected drink will be lemon flavored?

7. Elizabeth has a toy box. The box contains 3 toy cars, 2 dolls, and 5 balls. Without looking, if Elizabeth chooses a toy from the box, what is the probability of selecting a toy car? A doll? A ball?

8. Stella has a bouquet. There are three types of flowers in the bouquet. Red roses, Lilies, and Jasmine. If the probability of getting a Red rose is $\frac{3}{10}$ and the probability of getting Lilies is $\frac{5}{10}$, what is the probability of getting Jasmine?

9. Connor has lots of colored paper. There are 50 papers in a bundle, 20 of which contain yellow paper. What is the probability of selecting a yellow paper at random?

10. Michael has a bus rental agency. He has 18 buses available, of which 8 have air conditioning (A.C.). What is the probability that a randomly selected vehicle will be an A.C bus?

