

Name: _____

Date: _____

Independent events with replacement

Write each probability as a fraction in simplest form.

1. A bag has 5 red and 4 blue marbles. One marble is drawn, put back, and a second is drawn. What is the probability of drawing blue and then red?

Answer: _____

2. A bag has 3 red and 3 blue marbles. One marble is drawn, put back, and a second is drawn. What is the probability of drawing blue and then red?

Answer: _____

3. A bag has 5 red and 5 blue marbles. One marble is drawn, put back, and a second is drawn. What is the probability of drawing red and then blue?

Answer: _____

4. A bag has 5 red and 3 blue marbles. One marble is drawn, put back, and a second is drawn. What is the probability of drawing blue and then red?

Answer: _____

5. A bag has 4 red and 2 blue marbles. One marble is drawn, put back, and a second is drawn. What is the probability of drawing red and then blue?

Answer: _____

6. A bag has 5 red and 2 blue marbles. One marble is drawn, put back, and a second is drawn. What is the probability of drawing red and then blue?

Answer: _____

7. A bag has 4 red and 4 blue marbles. One marble is drawn, put back, and a second is drawn. What is the probability of drawing blue and then red?

Answer: _____

8. A bag has 5 red and 3 blue marbles. One marble is drawn, put back, and a second is drawn. What is the probability of drawing red and then blue?

Answer: _____

9. A bag has 4 red and 2 blue marbles. One marble is drawn, put back, and a second is drawn. What is the probability of drawing blue and then red?

Answer: _____

10. A bag has 2 red and 4 blue marbles. One marble is drawn, put back, and a second is drawn. What is the probability of drawing red and then blue?

Answer: _____

Probability: Answer Key

1. $\frac{20}{81}$

2. $\frac{1}{4}$

3. $\frac{1}{4}$

4. $\frac{15}{64}$

5. $\frac{2}{9}$

6. $\frac{10}{49}$

7. $\frac{1}{4}$

8. $\frac{15}{64}$

9. $\frac{2}{9}$

10. $\frac{2}{9}$