Name: _____

Simple Probability

Find each probability. Write it as a fraction in simplest form.

1. A bag has 3 yellow, 1 red, 6 blue marbles. One is picked at random. What is P(yellow)?

   Answer: _____

2. A bag has 7 yellow, 5 blue, 3 green marbles. One is picked at random. What is P(green)?

   Answer: _____

3. A bag has 8 red, 8 blue, 4 yellow marbles. One is picked at random. What is P(not yellow)?

   Answer: _____

4. A bag has 1 blue, 2 green, 7 yellow marbles. One is picked at random. What is P(not blue)?

   Answer: _____

5. A bag has 1 green, 9 yellow, 5 blue marbles. One is picked at random. What is P(yellow)?

   Answer: _____

6. A bag has 5 green, 7 blue, 2 yellow marbles. One is picked at random. What is P(blue)?

   Answer: _____

7. A bag has 1 green, 3 yellow, 4 blue marbles. One is picked at random. What is P(blue)?

   Answer: _____

8. A bag has 7 red, 5 green, 7 yellow marbles. One is picked at random. What is P(not green)?

   Answer: _____

9. A bag has 6 blue, 3 red, 3 yellow marbles. One is picked at random. What is P(not blue)?

   Answer: _____

10. A bag has 4 yellow, 7 green, 2 red marbles. One is picked at random. What is P(red)?

    Answer: _____

11. A bag has 4 yellow, 3 green, 5 red marbles. One is picked at random. What is P(not yellow)?

    Answer: _____

12. A bag has 5 blue, 1 green, 9 yellow marbles. One is picked at random. What is P(blue)?

    Answer: _____

Name: **ANSWER KEY**

Simple Probability

Find each probability. Write it as a fraction in simplest form.

1. A bag has 3 yellow, 1 red, 6 blue marbles. One is picked at random. What is P(yellow)?

   Answer: $\frac{3}{10}$

2. A bag has 7 yellow, 5 blue, 3 green marbles. One is picked at random. What is P(green)?

   Answer: $\frac{1}{5}$

3. A bag has 8 red, 8 blue, 4 yellow marbles. One is picked at random. What is P(not yellow)?

   Answer: $\frac{4}{5}$

4. A bag has 1 blue, 2 green, 7 yellow marbles. One is picked at random. What is P(not blue)?

   Answer: $\frac{9}{10}$

5. A bag has 1 green, 9 yellow, 5 blue marbles. One is picked at random. What is P(yellow)?

   Answer: $\frac{3}{5}$

6. A bag has 5 green, 7 blue, 2 yellow marbles. One is picked at random. What is P(blue)?

   Answer: $\frac{1}{2}$

7. A bag has 1 green, 3 yellow, 4 blue marbles. One is picked at random. What is P(blue)?

   Answer: $\frac{1}{2}$

8. A bag has 7 red, 5 green, 7 yellow marbles. One is picked at random. What is P(not green)?

   Answer: $\frac{14}{19}$

9. A bag has 6 blue, 3 red, 3 yellow marbles. One is picked at random. What is P(not blue)?

   Answer: $\frac{1}{2}$

10. A bag has 4 yellow, 7 green, 2 red marbles. One is picked at random. What is P(red)?

    Answer: $\frac{2}{13}$

11. A bag has 4 yellow, 3 green, 5 red marbles. One is picked at random. What is P(not yellow)?

    Answer: $\frac{2}{3}$

12. A bag has 5 blue, 1 green, 9 yellow marbles. One is picked at random. What is P(blue)?

    Answer: $\frac{1}{3}$