Name _____



Bag Chance Challenge

Directions: Read each mystery bag problem. Find the probability of the event. Write each answer as a fraction in simplest form.

1. A bag holds 6 red marbles, 5 blue marbles, and 4 green marbles. One marble is chosen at random. What is the probability of choosing a green marble? _____

2. A bag contains cards numbered 1 through 12. One card is drawn at random. What is the probability of drawing a multiple of 3? _____

3. A prize bag has 3 gold tokens, 7 silver tokens, and 2 bronze tokens. One token is selected. What is the probability of selecting a gold or bronze token? _____

4. A bag contains cards numbered 1 through 10. One card is chosen at random. What is the probability of choosing a number greater than 6? _____

5. A game bag holds 8 purple counters, 4 orange counters, and 6 yellow counters. One counter is drawn. What is the probability of drawing a counter that is not purple? _____

6. A bag contains cards numbered 1 through 15. One card is selected at random. What is the probability of selecting an even number? _____

7. A mystery bag holds 5 black beads, 3 white beads, 4 pink beads, and 2 blue beads. One bead is chosen. What is the probability of choosing a black or pink bead? _____

8. A bag contains cards numbered 1 through 20. One card is drawn at random. What is the probability of drawing a number divisible by 5? _____

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