

Probability Practice

Match each event to its likelihood.

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| 1. Rolling a number greater than 8 on a number cube labeled 1 through 6 | _____ | A likely |
| 2. Flipping a coin and getting tails | _____ | B unlikely |
| 3. Pulling a green or red marble from a bag of red marbles and green marbles | _____ | C as likely as not |
| 4. Spinning a number less than 3 on a spinner with 8 equal sections marked 1 through 8 | _____ | D impossible |
| 5. Rolling a number less than 6 on a number cube labeled 1 through 6 | _____ | E certain |

Solve.

6. A bag contains 4 red marbles, 3 green marbles, and 2 yellow marbles. The probability of randomly picking a yellow marble is $\frac{2}{9}$. What is the probability of not picking a yellow marble? _____
7. A number cube is labeled 1 through 6. The probability of randomly rolling a 4 is $\frac{1}{6}$. What is the probability of not rolling a 4? _____

Tell whether the event is impossible, unlikely, as likely as not, likely, or certain.

8. Janelle almost never eats beef. On Monday, the school cafeteria offers three main choices. The choices are hamburger, tuna, or a turkey sandwich. Estimate the probability that Janelle will choose a hamburger. _____
9. Tyrone rides his bicycle to school if he gets up by 7:15 A.M. Tyrone gets up by 7:15 A.M. about half the time. Estimate the probability that Tyrone will ride his bicycle to school. _____
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