

Probability (Assignment 49)

You have a bag containing 3 green coins, 3 red coins, 1 blue coin, and 7 yellow coins. If you reach in and select one coin at random, what is the probability that you select the following type of coin?

1. $P(\text{blue})$
2. $P(\text{not yellow})$
3. $P(\text{blue or green})$
4. $P(\text{red})$
5. $P(\text{purple})$
6. $P(\text{not green or red})$
7. What is the sum: $P(\text{yellow}) + P(\text{not yellow})$. Explain why this makes sense.
8. What is the probability of choosing a king from a standard deck of playing cards?
9. What is the probability of getting an odd number when rolling a single 6-sided die?
10. What is the probability of choosing a red jack or a queen of spades from a standard deck of 52 playing cards?
11. What is the probability of landing on an odd number after spinning a spinner with 7 equal sectors numbered 1 through 7?
12. What is the probability of getting a 7 after rolling a single die numbered 1 to 6?
13. What is the probability of choosing a face card from a standard deck of playing cards?
14. What is the probability of choosing the letter "i" from the word probability?
15. What is the sample space for choosing a letter from the word probability?