1. A spinner is numbered from 1 through 10 with each number equally likely to occur. What is the probability of obtaining a number less than 5 or greater than 6 with a single spin?

2. A spinner is numbered from 1 through 9 with each number equally likely to occur. What is the probability of obtaining a number less than 3 or greater than 6 with a single spin?

3. A spinner is numbered from 1 through 8 with each number equally likely to occur. What is the probability of obtaining a number less than 5 or greater than 7 with a single spin?

4. A spinner is numbered from 1 through 9 with each number equally likely to occur. What is the probability of obtaining a number less than 3 or greater than 7 with a single spin?

5. A spinner is numbered from 1 through 9 with each number equally likely to occur. What is the probability of obtaining a number less than 5 or greater than 6 with a single spin?

6. A spinner is numbered from 1 through 8 with each number equally likely to occur. What is the probability of obtaining a number less than 3 or greater than 6 with a single spin?

7. A spinner is numbered from 1 through 10 with each number equally likely to occur. What is the probability of obtaining a number less than 4 or greater than 6 with a single spin?

8. A spinner is numbered from 1 through 10 with each number equally likely to occur. What is the probability of obtaining a number less than 4 or greater than 7 with a single spin?

9. A spinner is numbered from 1 through 9 with each number equally likely to occur. What is the probability of obtaining a number less than 4 or greater than 6 with a single spin?

10. A spinner is numbered from 1 through 9 with each number equally likely to occur. What is the probability of obtaining a number less than 4 or greater than 7 with a single spin?

11. Suppose two fair dice are rolled. What is the probability that a sum of 3 or 4 turns up?

12. Suppose two fair dice are rolled. What is the probability that a sum of 7 or 9 turns up?

13. Suppose two fair dice are rolled. What is the probability that a sum of 5 or 7 turns up?

14. Suppose two fair dice are rolled. What is the probability that a sum of 2 or 6 turns up?

15. Suppose two fair dice are rolled. What is the probability that a sum of 11 or 12 turns up?

16. Suppose two fair dice are rolled. What is the probability that a sum of 8 or 12 turns up?

17. Suppose two fair dice are rolled. What is the probability that a sum of 9 or 11 turns up?

18. Suppose two fair dice are rolled. What is the probability that a sum of 6 or 10 turns up?

19. Two cards are randomly selected from a standard 52-card deck. What is the probability of getting 2 diamonds or 2 face cards?

    [A] 0.114 [B] 0.130 [C] 0.106 [D] 0.096

20. Three cards are randomly selected from a standard 52-card deck. What is the probability of getting 3 clubs or 3 face cards?

    [A] 0.018 [B] 0.002 [C] 0.014 [D] 0.023

21. Two cards are randomly selected from a standard 52-card deck. What is the probability of getting 2 spades or 2 face cards or aces?

    [A] 0.155 [B] 0.145 [C] 0.159 [D] 0.166

22. Three cards are randomly selected from a standard 52-card deck. What is the probability of getting 3 diamonds or 3 face cards or aces?

    [A] 0.025 [B] 0.021 [C] 0.038 [D] 0.037

23. Two cards are randomly selected from a standard 52-card deck. What is the probability of getting 2 spades or 2 cards higher than a 9 (including face cards and aces)?

    [A] 0.195 [B] 0.225 [C] 0.215 [D] 0.217

24. Three cards are randomly selected from a standard 52-card deck. What is the probability of getting 3 spades or 3 cards higher than a 9 (including face cards and aces)?

    [A] 0.084 [B] 0.046 [C] 0.054 [D] 0.064

25. Four cards are randomly selected from a standard 52-card deck. What is the probability of getting 4 diamonds or 4 cards higher than a 9 (including face cards and aces)?

[A] 0.021 [B] 0.024 [C] 0.042 [D] 0.030

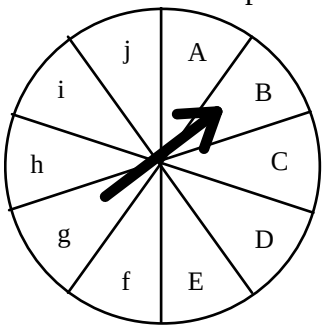
26. Two cards are randomly selected from a standard 52-card deck. What is the probability of getting 2 clubs or 2 cards higher than an 8 (including face cards and aces)?

[A] 0.262 [B] 0.257 [C] 0.256 [D] 0.269

27. Three cards are randomly selected from a standard 52-card deck. What is the probability of getting 3 diamonds or 3 cards higher than an 8 (including face cards and aces)?

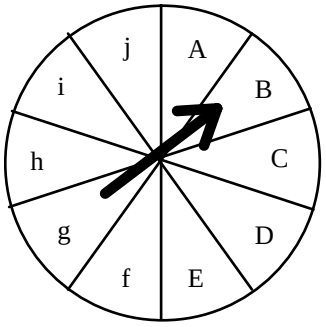
[A] 0.118 [B] 0.088 [C] 0.104 [D] 0.094

28. If all possible results are equally likely, find the probability that a spin of the spinner below would land on a capital letter or a consonant.



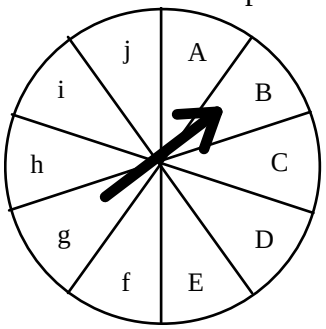
[A] $\frac{9}{10}$ [B] $\frac{7}{10}$ [C] $\frac{3}{10}$ [D] $\frac{4}{5}$

29. If all possible results are equally likely, find the probability that a spin of the spinner below would land on a lower case letter or a vowel.



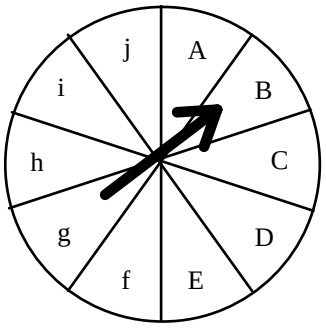
[A] $\frac{3}{5}$ [B] $\frac{7}{10}$ [C] $\frac{3}{10}$ [D] $\frac{1}{10}$

30. If all possible results are equally likely, find the probability that a spin of the spinner below would land on a capital letter or a vowel.



[A] $\frac{2}{5}$ [B] $\frac{3}{10}$ [C] $\frac{1}{2}$ [D] $\frac{3}{5}$

31. If all possible results are equally likely, find the probability that a spin of the spinner below would land on a lower case letter or a consonant.



[A] $\frac{1}{2}$ [B] $\frac{7}{10}$ [C] $\frac{2}{5}$ [D] $\frac{4}{5}$

32. Two cards are randomly selected from a standard 52-card deck. What is the probability of getting 2 hearts or 2 numbers less than 4 (count aces as 1)? Note: A result of 1 heart and 1 number less than 4 is *not* a favorable outcome.

33. Three cards are randomly selected from a standard 52-card deck. What is the probability of getting 3 hearts or 3 numbers less than 4 (count aces as 1)? Note: A result of 1 heart and 1 number less than 4 is *not* a favorable outcome.

34. Two cards are randomly selected from a standard 52-card deck. What is the probability of getting 2 hearts or 2 numbers less than 5 (count aces as 1)? Note: A result of 1 heart and 1 number less than 4 is *not* a favorable outcome.

35. Three cards are randomly selected from a standard 52-card deck. What is the probability of getting 3 hearts or 3 numbers less than 5 (count aces as 1)? Note: A result of 1 heart and 1 number less than 4 is *not* a favorable outcome.

36. Four cards are randomly selected from a standard 52-card deck. What is the probability of getting 4 hearts or 4 numbers less than 5 (count aces as 1)? Note: A result of 1 heart and 1 number less than 4 is *not* a favorable outcome.

37. Two cards are randomly selected from a standard 52-card deck. What is the probability of getting 2 hearts or 2 numbers less than 6 (count aces as 1)? Note: A result of 1 heart and 1 number less than 4 is *not* a favorable outcome.

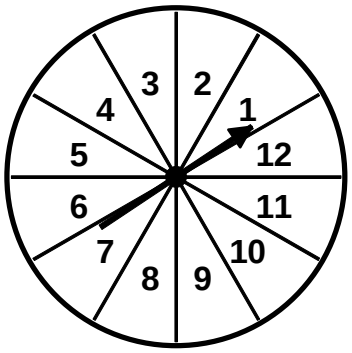
38. Three cards are randomly selected from a standard 52-card deck. What is the probability of getting 3 hearts or 3 numbers less than 6 (count aces as 1)? Note: A result of 1 heart and 1 number less than 4 is *not* a favorable outcome.

39. Four cards are randomly selected from a standard 52-card deck. What is the probability of getting 4 hearts or 4 numbers less than 6 (count aces as 1)? Note: A result of 1 heart and 1 number less than 4 is *not* a favorable outcome.

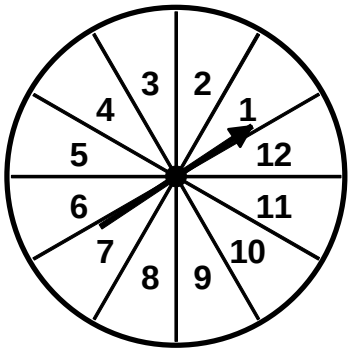
40. Two cards are randomly selected from a standard 52-card deck. What is the probability of getting 2 hearts or 2 numbers less than 7 (count aces as 1)? Note: A result of 1 heart and 1 number less than 4 is *not* a favorable outcome.

41. Three cards are randomly selected from a standard 52-card deck. What is the probability of getting 3 hearts or 3 numbers less than 7 (count aces as 1)? Note: A result of 1 heart and 1 number less than 4 is *not* a favorable outcome.

42. If all possible results are equally likely, find the probability of spinning a number that is odd or a multiple of 5 using the spinner below.



43. If all possible results are equally likely, find the probability of spinning a number that is even or a multiple of 5 using the spinner below.



44. If all possible results are equally likely, find the probability of spinning a number that is odd or a multiple of 3 using the spinner below.