Grade 6 Probability Worksheet

Name: _____ Date: _____ Score: _____

Find the probability. Write your answer as a fraction on the line.

1. A bag has 5 marbles and 3 are red. What is the probability of drawing red? (as a fraction)

   _____

2. You roll a fair 6-sided die. What is the probability of rolling a 4? (as a fraction)

   _____

3. A bag has 5 marbles and 4 are red. What is the probability of drawing red? (as a fraction)

   _____

4. A bag has 8 marbles and 6 are red. What is the probability of drawing red? (as a fraction)

   _____

5. You roll a fair 6-sided die. What is the probability of rolling a 1? (as a fraction)

   _____

6. A bag has 12 marbles and 5 are red. What is the probability of drawing red? (as a fraction)

   _____

7. A bag has 6 marbles and 4 are red. What is the probability of drawing red? (as a fraction)

   _____

8. You roll a fair 6-sided die. What is the probability of rolling a 3? (as a fraction)

   _____

9. A bag has 9 marbles and 5 are red. What is the probability of drawing red? (as a fraction)

   _____

10. You roll a fair 6-sided die. What is the probability of rolling a 5? (as a fraction)

    _____

11. A bag has 5 marbles and 1 are red. What is the probability of drawing red? (as a fraction)

    _____

12. A bag has 6 marbles and 3 are red. What is the probability of drawing red? (as a fraction)

    _____

13. You roll a fair 6-sided die. What is the probability of rolling a 6? (as a fraction)

    _____

14. You roll a fair 6-sided die. What is the probability of rolling a 2? (as a fraction)

    _____

15. A bag has 7 marbles and 4 are red. What is the probability of drawing red? (as a fraction)

    _____

16. A bag has 5 marbles and 2 are red. What is the probability of drawing red? (as a fraction)

    _____

17. A bag has 10 marbles and 3 are red. What is the probability of drawing red? (as a fraction)

18. A bag has 6 marbles and 1 are red. What is the probability of drawing red? (as a fraction)

19. A bag has 9 marbles and 4 are red. What is the probability of drawing red? (as a fraction)

20. A bag has 7 marbles and 1 are red. What is the probability of drawing red? (as a fraction)

21. A bag has 9 marbles and 1 are red. What is the probability of drawing red? (as a fraction)

_____

22. A bag has 9 marbles and 8 are red. What is the probability of drawing red? (as a fraction)

_____

23. A bag has 8 marbles and 2 are red. What is the probability of drawing red? (as a fraction)

_____

24. A bag has 12 marbles and 6 are red. What is the probability of drawing red? (as a fraction)

_____

25. A bag has 12 marbles and 8 are red. What is the probability of drawing red? (as a fraction)

_____

26. A bag has 11 marbles and 10 are red. What is the probability of drawing red? (as a fraction)

_____

27. A bag has 7 marbles and 2 are red. What is the probability of drawing red? (as a fraction)

_____

28. A bag has 8 marbles and 7 are red. What is the probability of drawing red? (as a fraction)

_____

29. A bag has 11 marbles and 3 are red. What is the probability of drawing red? (as a fraction)

_____

30. A bag has 6 marbles and 5 are red. What is the probability of drawing red? (as a fraction)

_____

31. A bag has 8 marbles and 5 are red. What is the probability of drawing red? (as a fraction)

_____

32. A bag has 10 marbles and 9 are red. What is the probability of drawing red? (as a fraction)

_____

33. A bag has 7 marbles and 5 are red. What is the probability of drawing red? (as a fraction)

_____

34. A bag has 10 marbles and 1 are red. What is the probability of drawing red? (as a fraction)

_____

35. A bag has 10 marbles and 5 are red. What is the probability of drawing red? (as a fraction)

_____

36. A bag has 8 marbles and 3 are red. What is the probability of drawing red? (as a fraction)

_____

37. A bag has 12 marbles and 2 are red. What is the probability of drawing red? (as a fraction)

_____

38. A bag has 9 marbles and 2 are red. What is the probability of drawing red? (as a fraction)

_____

39. A bag has 11 marbles and 1 are red. What is the probability of drawing red? (as a fraction)

_____

40. A bag has 7 marbles and 6 are red. What is the probability of drawing red? (as a fraction)

_____

ANSWER KEY

Grade 6 Probability Worksheet

1. A bag has 5 marbles and 3 are red. What is the probability of drawing red? (as a fraction)
   3/5
2. You roll a fair 6-sided die. What is the probability of rolling a 4? (as a fraction)
   1/6
3. A bag has 5 marbles and 4 are red. What is the probability of drawing red? (as a fraction)
   4/5
4. A bag has 8 marbles and 6 are red. What is the probability of drawing red? (as a fraction)
   3/4
5. You roll a fair 6-sided die. What is the probability of rolling a 1? (as a fraction)
   1/6
6. A bag has 12 marbles and 5 are red. What is the probability of drawing red? (as a fraction)
   5/12
7. A bag has 6 marbles and 4 are red. What is the probability of drawing red? (as a fraction)
   2/3
8. You roll a fair 6-sided die. What is the probability of rolling a 3? (as a fraction)
   1/6
9. A bag has 9 marbles and 5 are red. What is the probability of drawing red? (as a fraction)
   5/9
10. You roll a fair 6-sided die. What is the probability of rolling a 5? (as a fraction)
    1/6
11. A bag has 5 marbles and 1 are red. What is the probability of drawing red? (as a fraction)
    1/5
12. A bag has 6 marbles and 3 are red. What is the probability of drawing red? (as a fraction)
    1/2
13. You roll a fair 6-sided die. What is the probability of rolling a 6? (as a fraction)
    1/6
14. You roll a fair 6-sided die. What is the probability of rolling a 2? (as a fraction)
    1/6
15. A bag has 7 marbles and 4 are red. What is the probability of drawing red? (as a fraction)
    4/7
16. A bag has 5 marbles and 2 are red. What is the probability of drawing red? (as a fraction)
    2/5

17. A bag has 10 marbles and 3 are red. What is the probability of drawing red? (as a fraction)
3/10

18. A bag has 6 marbles and 1 are red. What is the probability of drawing red? (as a fraction)
1/6

19. A bag has 9 marbles and 4 are red. What is the probability of drawing red? (as a fraction)
4/9

20. A bag has 7 marbles and 1 are red. What is the probability of drawing red? (as a fraction)
1/7

21. A bag has 9 marbles and 1 are red. What is the probability of drawing red? (as a fraction)
1/9

22. A bag has 9 marbles and 8 are red. What is the probability of drawing red? (as a fraction)
8/9

23. A bag has 8 marbles and 2 are red. What is the probability of drawing red? (as a fraction)
1/4

24. A bag has 12 marbles and 6 are red. What is the probability of drawing red? (as a fraction)
1/2

25. A bag has 12 marbles and 8 are red. What is the probability of drawing red? (as a fraction)
2/3

26. A bag has 11 marbles and 10 are red. What is the probability of drawing red? (as a fraction)
10/11

27. A bag has 7 marbles and 2 are red. What is the probability of drawing red? (as a fraction)
2/7

28. A bag has 8 marbles and 7 are red. What is the probability of drawing red? (as a fraction)
7/8

29. A bag has 11 marbles and 3 are red. What is the probability of drawing red? (as a fraction)
3/11

30. A bag has 6 marbles and 5 are red. What is the probability of drawing red? (as a fraction)
5/6

31. A bag has 8 marbles and 5 are red. What is the probability of drawing red? (as a fraction)
5/8

32. A bag has 10 marbles and 9 are red. What is the probability of drawing red? (as a fraction)
9/10

33. A bag has 7 marbles and 5 are red. What is the probability of drawing red? (as a fraction)
5/7

34. A bag has 10 marbles and 1 are red. What is the probability of drawing red? (as a fraction)
1/10

35. A bag has 10 marbles and 5 are red. What is the probability of drawing red? (as a fraction)
1/2

36. A bag has 8 marbles and 3 are red. What is the probability of drawing red? (as a fraction)
3/8

37. A bag has 12 marbles and 2 are red. What is the probability of drawing red? (as a fraction)

38. A bag has 9 marbles and 2 are red. What is the probability of drawing red? (as a fraction)

39. A bag has 11 marbles and 1 are red. What is the probability of drawing red? (as a fraction)

40. A bag has 7 marbles and 6 are red. What is the probability of drawing red? (as a fraction)

1/6 **2/9** **1/11** **6/7**