

Name: _____

Date: _____

Probability

Grades 6 – 8 • 50 questions • Show your work

1. A bag has 2 green and 3 blue marbles. If one marble is picked at random, what is the probability it is **blue**? _____
 2. A bag has 5 red, 5 green and 4 yellow marbles. If one marble is picked at random, what is the probability it is **green**? _____
 3. A bag has 1 red, 5 green and 1 blue marbles. If one marble is picked at random, what is the probability it is **red**? _____
 4. A bag has 6 blue, 5 yellow and 2 green marbles. If one marble is picked at random, what is the probability it is **blue**? _____
 5. A bag has 2 blue and 2 green marbles. If one marble is picked at random, what is the probability it is **green**? _____
 6. A bag has 1 yellow and 5 green marbles. If one marble is picked at random, what is the probability it is **green**? _____
 7. A bag has 2 yellow and 5 blue marbles. If one marble is picked at random, what is the probability it is **blue**? _____
 8. A bag has 1 blue, 1 yellow and 4 green marbles. If one marble is picked at random, what is the probability it is **blue**? _____
 9. A bag has 5 green and 4 blue marbles. If one marble is picked at random, what is the probability it is **blue**? _____
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10. A bag has 6 green, 1 red and 6 blue marbles. If one marble is picked at random, what is the probability it is **red**? _____
11. A bag has 1 yellow and 4 green marbles. If one marble is picked at random, what is the probability it is **yellow**? _____
12. A bag has 4 yellow, 6 green and 2 blue marbles. If one marble is picked at random, what is the probability it is **yellow**? _____
13. A bag has 2 yellow and 3 green marbles. If one marble is picked at random, what is the probability it is **green**? _____
14. A bag has 1 blue and 2 red marbles. If one marble is picked at random, what is the probability it is **blue**? _____
15. A bag has 3 red, 4 blue and 4 green marbles. If one marble is picked at random, what is the probability it is **green**? _____
16. A bag has 6 blue, 5 yellow and 3 red marbles. If one marble is picked at random, what is the probability it is **red**? _____
17. A bag has 2 blue and 5 red marbles. If one marble is picked at random, what is the probability it is **blue**? _____
18. A bag has 3 green and 2 yellow marbles. If one marble is picked at random, what is the probability it is **yellow**? _____
19. A bag has 5 red and 3 green marbles. If one marble is picked at random, what is the probability it is **green**? _____
20. A bag has 2 blue and 4 red marbles. If one marble is picked at random, what is the probability it is **blue**? _____

- 21.** A bag has 5 blue and 5 yellow marbles. If one marble is picked at random, what is the probability it is **blue**? _____
- 22.** A bag has 2 red and 4 green marbles. If one marble is picked at random, what is the probability it is **red**? _____
- 23.** A bag has 3 red, 3 green and 5 blue marbles. If one marble is picked at random, what is the probability it is **red**? _____
- 24.** A bag has 4 green and 1 blue marbles. If one marble is picked at random, what is the probability it is **green**? _____
- 25.** A bag has 3 green, 1 yellow and 1 red marbles. If one marble is picked at random, what is the probability it is **yellow**? _____
- 26.** A bag has 6 yellow and 1 blue marbles. If one marble is picked at random, what is the probability it is **blue**? _____
- 27.** A bag has 2 yellow and 5 green marbles. If one marble is picked at random, what is the probability it is **green**? _____
- 28.** A bag has 5 yellow and 6 red marbles. If one marble is picked at random, what is the probability it is **yellow**? _____
- 29.** A bag has 4 green, 2 yellow and 2 blue marbles. If one marble is picked at random, what is the probability it is **yellow**? _____
- 30.** A bag has 6 yellow, 6 green and 4 red marbles. If one marble is picked at random, what is the probability it is **yellow**? _____
- 31.** A bag has 5 yellow and 1 green marbles. If one marble is picked at random, _____
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- 32.** A bag has 6 red and 2 green marbles. If one marble is picked at random, what is the probability it is **red**? _____
- 33.** A bag has 3 yellow, 3 blue and 6 red marbles. If one marble is picked at random, what is the probability it is **blue**? _____
- 34.** A bag has 4 green and 2 red marbles. If one marble is picked at random, what is the probability it is **green**? _____
- 35.** A bag has 5 blue, 1 green and 6 red marbles. If one marble is picked at random, what is the probability it is **green**? _____
- 36.** A bag has 5 blue, 6 yellow and 1 green marbles. If one marble is picked at random, what is the probability it is **green**? _____
- 37.** A bag has 4 blue and 1 red marbles. If one marble is picked at random, what is the probability it is **blue**? _____
- 38.** A bag has 6 yellow, 2 green and 6 red marbles. If one marble is picked at random, what is the probability it is **yellow**? _____
- 39.** A bag has 6 blue and 4 yellow marbles. If one marble is picked at random, what is the probability it is **blue**? _____
- 40.** A bag has 5 yellow and 6 blue marbles. If one marble is picked at random, what is the probability it is **yellow**? _____
- 41.** A bag has 3 green, 2 blue and 5 red marbles. If one marble is picked at random, what is the probability it is **red**? _____
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- 42.** A bag has 3 blue, 3 red and 1 green marbles. If one marble is picked at random, what is the probability it is **red**? _____
- 43.** A bag has 2 green, 6 red and 5 yellow marbles. If one marble is picked at random, what is the probability it is **red**? _____
- 44.** A bag has 3 blue, 2 red and 6 yellow marbles. If one marble is picked at random, what is the probability it is **yellow**? _____
- 45.** A bag has 2 yellow, 5 red and 1 green marbles. If one marble is picked at random, what is the probability it is **yellow**? _____
- 46.** A bag has 4 yellow and 1 red marbles. If one marble is picked at random, what is the probability it is **yellow**? _____
- 47.** A bag has 1 yellow and 4 green marbles. If one marble is picked at random, what is the probability it is **green**? _____
- 48.** A bag has 4 green, 5 red and 5 yellow marbles. If one marble is picked at random, what is the probability it is **red**? _____
- 49.** A bag has 3 red, 4 blue and 3 yellow marbles. If one marble is picked at random, what is the probability it is **blue**? _____
- 50.** A bag has 6 yellow, 4 blue and 2 green marbles. If one marble is picked at random, what is the probability it is **blue**? _____
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Answer Key – Probability

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|--------------------|--------------------|--------------------|
| 1. $\frac{3}{5}$ | 2. $\frac{5}{14}$ | 3. $\frac{1}{7}$ |
| 4. $\frac{6}{13}$ | 5. $\frac{1}{2}$ | 6. $\frac{5}{6}$ |
| 7. $\frac{5}{7}$ | 8. $\frac{1}{6}$ | 9. $\frac{4}{9}$ |
| 10. $\frac{1}{13}$ | 11. $\frac{1}{5}$ | 12. $\frac{1}{3}$ |
| 13. $\frac{3}{5}$ | 14. $\frac{1}{3}$ | 15. $\frac{4}{11}$ |
| 16. $\frac{3}{14}$ | 17. $\frac{2}{7}$ | 18. $\frac{2}{5}$ |
| 19. $\frac{3}{8}$ | 20. $\frac{1}{3}$ | 21. $\frac{1}{2}$ |
| 22. $\frac{1}{3}$ | 23. $\frac{3}{11}$ | 24. $\frac{4}{5}$ |
| 25. $\frac{1}{5}$ | 26. $\frac{1}{7}$ | 27. $\frac{5}{7}$ |
| 28. $\frac{5}{11}$ | 29. $\frac{1}{4}$ | 30. $\frac{3}{8}$ |
| 31. $\frac{5}{6}$ | 32. $\frac{3}{4}$ | 33. $\frac{1}{4}$ |
| 34. $\frac{2}{3}$ | 35. $\frac{1}{12}$ | 36. $\frac{1}{12}$ |
| 37. $\frac{4}{5}$ | 38. $\frac{3}{7}$ | 39. $\frac{3}{5}$ |
| 40. $\frac{5}{11}$ | 41. $\frac{1}{2}$ | 42. $\frac{3}{7}$ |
| 43. $\frac{6}{13}$ | 44. $\frac{6}{11}$ | 45. $\frac{1}{4}$ |
| 46. $\frac{4}{5}$ | 47. $\frac{4}{5}$ | 48. $\frac{5}{14}$ |
| 49. $\frac{2}{5}$ | 50. $\frac{1}{3}$ | |
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