

Express each probability as a percent to the nearest tenth.

<p>1. If you choose 2 cards out of a 52-card deck, which has 13 hearts and 13 clubs, what is the probability that you will choose a club and a heart?</p>	<p>2. If you choose a card out of a 52-card deck, which has 13 hearts and 13 clubs, what is the probability that you will not choose a heart?</p>	<p>3. If you choose a card out of a 52-card deck, which has 13 hearts and 13 clubs, then replace it and pick another, what is the probability that you will choose a club and a heart?</p>
<p>4. There are 12 rap, 8 hip hop, 5 country and 15 R&B songs on a phone. What is the probability that, with the phone on shuffle, the first two songs will both be rap songs?</p>	<p>5. There are 12 rap, 8 hip hop, 5 country and 15 R&B songs on a phone. What is the probability that, with the phone on shuffle, the first song will be a country song?</p>	<p>6. There are 12 rap, 8 hip hop, 5 country and 15 R&B songs on a phone. What is the probability that, with the phone on shuffle, the first song will be either a rap or a hip hop song?</p>
<p>7. If you roll a number cube, what is the probability that you will roll an odd number?</p>	<p>8. If you roll 2 dice, what is the probability that you will roll two 6's?</p>	<p>9. If you roll 2 dice, what is the probability that neither one will be a 6?</p>

Name: _____

Per: _____

<p>10. There are 12 marbles in a bag. 7 of them are green, 2 of them are clear and the rest are blue. What is the probability that you will select a green marble, put it back and then select the same green marble?</p>	<p>11. There are 12 marbles in a bag. 7 of them are green, 2 of them are clear and the rest are blue. What is the probability that you will select two green marbles?</p>	<p>12. There are 12 marbles in a bag. 7 of them are green, 2 of them are clear and the rest are blue. What is the probability that you will not select a green marble?</p>
<p>13. A blonde, a brunette and a redhead are all competing in a trivia contest. If they all have an equal chance, what is the probability that the blonde will win?</p>	<p>14. A blonde, a brunette and a redhead are participating in a raffle with two prizes. If the blonde has three tickets, the brunette has one ticket and the redhead has four tickets, what is the probability that the blonde and the brunette will win a prize?</p>	<p>15. There are 6 blondes, 4 brunettes and 5 redheads in a room. If one of them is chosen at random, what is the probability that a blonde will be chosen?</p>

Probability of Practice Answers

1. 6.4%	2. 75.0%	3. 6.3%
4. 8.5%	5. 12.5%	6. 50.0 %
7. 50.0%	8. 2.8%	9. 69.4%
10. 4.9%	11. 31.8%	12. 41.7%
13. 33.3%	14. 5.4%	15. 40.0%