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1. You and seven other people are on the basketball team. The coach is making starting 5 player lineups. What is the probability that you get to start?
2. There are 7 red marbles, 2 blue marbles, and 11 green marbles in a jar. You reach into the jar and pull out 2 marbles.
a. What is the probability that you select 2 red marbles?
b. What is the probability that you select a blue and a green marble?
3. You are drawing cards from a standard 52 card deck:
a. What is the probability that you select any king followed by any ace?
b. What is the probability that you select a king and an ace in any order?
c. Which probability is greater? Why?
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4. You roll two 6 -sided number cubes and add the result.
a. What is the probability of rolling a number that is greater than 7 ?
b. What is the probability of rolling a number that is not a 7 ?
c. What is the probability of rolling either a 9 or a 10 ?
d. What is the probability of rolling a 9 and a 10 ?
5. Can you have a probability that is greater than one? Explain.
