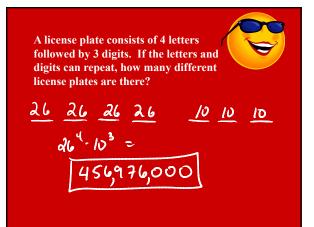
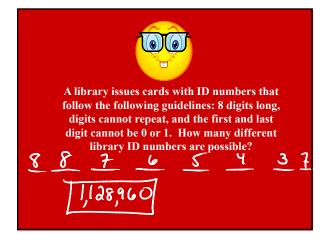


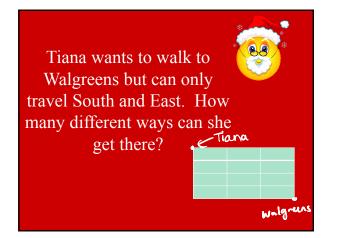
A license plate consists of 4 letters followed by 3 digits. If the letters and digits can repeat, how many different license plates are there?

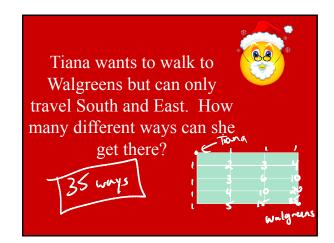




A library issues cards with ID numbers that follow the following guidelines: 8 digits long, digits cannot repeat, and the first and last digit cannot be 0 or 1. How many different library ID numbers are possible?









Ariel has 6 different stuffed animals she wants to arrange on her shelf. How many different ways can she arrange them on her shelf? Ariel has 6 different stuffed animals she wants to arrange on her shelf. How many different ways can she arrange them on her shelf?

6

OR

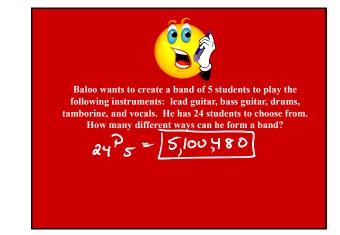


Aurora wants to create a group of 4 students to perform a dance in front of the class. She has 24 students to choose from. How many different ways can she form the group?

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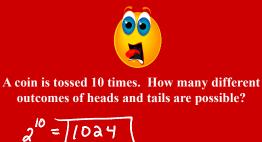
## 2006 Unit 11 Day 11 Last Man Standing.ppt





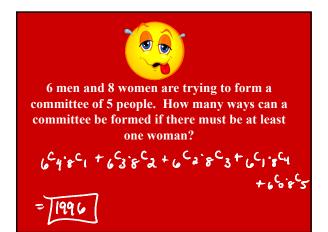


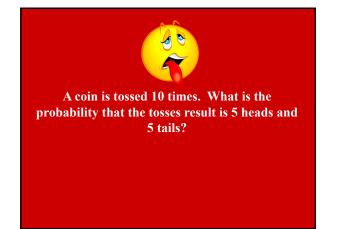
## A coin is tossed 10 times. How many different outcomes of heads and tails are possible?

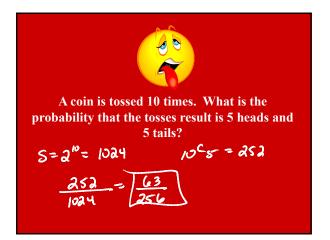


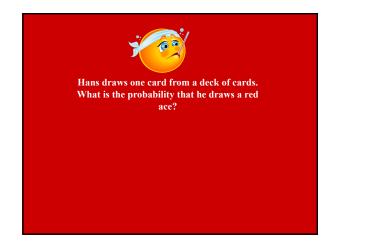


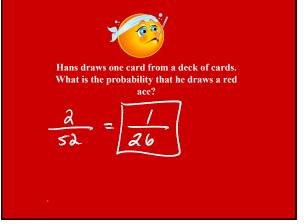
6 men and 8 women are trying to form a committee of 5 people. How many ways can a committee be formed if there must be at least one woman?





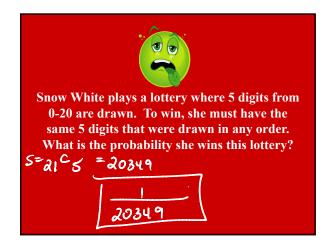








Snow White plays a lottery where 5 digits from 0-20 are drawn. To win, she must have the same 5 digits that were drawn in any order. What is the probability she wins this lottery?





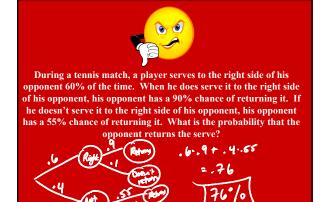
In a local school, 42% of all boys in school are on the cross country team, 51% of all boys are on the track team, and 30% of all boys are on both teams. Draw a Venn diagram for the situation. Then, what is the probability that if a boy is chosen at random he is neither on the cross country nor the track team? N

In a local school, 42% of all boys in school are on the cross country team, 51% of all boys are on the track team, and 30% of all boys are on both teams. Draw a Venn diagram for the situation. Then, what is the probability that if a boy is chosen at random he is neither on the cross country nor the track team?



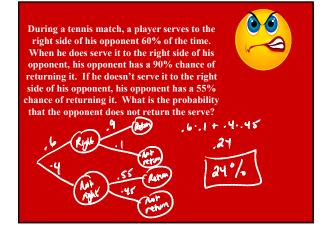


During a tennis match, a player serves to the right side of his opponent 60% of the time. When he does serve it to the right side of his opponent, his opponent has a 90% chance of returning it. If he doesn't serve it to the right side of his opponent, his opponent has a 55% chance of returning it. What is the probability that the opponent returns the serve?



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