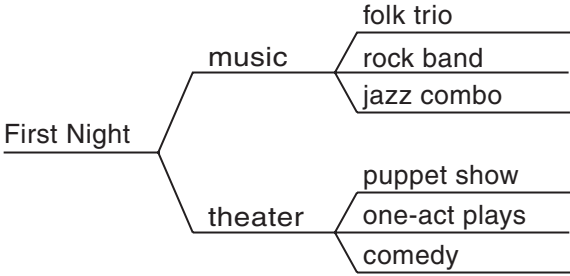


Represent Outcomes

CA Standards
SDAP 2.1, SDAP 2.2

Many towns and cities hold First Night celebrations on January 1st. Hector’s town offers musical and theater events for the public at First Night. Since most of the events are scheduled at the same time, visitors must choose what they will attend. The tree diagram shows the events scheduled for First Night.



1. How many musical events can Hector choose from?

2. What is the probability that Hector will attend the comedy?

3. What is the probability that Hector and his friends will go to see the folk trio or the puppet show?

4. The rock band has to cancel its performance because one of its members has the flu. What is the probability now of going to the jazz combo?

5. The first night committee adds 2 art exhibits to the schedule of events. What is the probability of attending one of these exhibits, given that there is no rock band?

6. If there are 350 people who attend the First Night celebration and an equal number attend each event as described in 5, how many people attend the one-act plays?
