Name _____ Date _____

Probability of Simple Events

Find each probability. Write your answer as a fraction in simplest form.

1. While on vacation, Ashlynn can't decide which restaurant to try. She puts the names of 6 pizza restaurants and 7 sandwich shops in a hat and draws one at random. What is the probability that she picks a sandwich shop?

   $P(\text{sandwich}) = \dfrac{7}{13}$

2. Out of the movies Jayla has on her list, 2 are action, 3 are fantasy, and 5 are comedy. If she picks a movie from the list at random, what is the probability that it will be a fantasy movie?

   $P(\text{fantasy}) = \dfrac{3}{10}$

3. There are 7 dalmatians, 9 golden retrievers, and 4 beagles at the Maplewood Humane Society. What is the probability that a randomly selected dog is a beagle?

   $P(\text{beagle}) = \dfrac{1}{5}$

4. In the Liberty Middle School Band, 9 students play the flute, 24 students play the saxophone, and 11 students play the trumpet. If one of those students gets picked at random to play a solo, what is the probability that the student plays the saxophone?

   $P(\text{saxophone}) = \dfrac{6}{11}$

5. Felix's bag contains 15 gold coins, 8 silver coins, and 12 bronze coins. If Felix grabs one coin out of the bag without looking, what is the probability that it is a gold coin?

   $P(\text{gold}) = \dfrac{3}{7}$

6. There are 55 vehicles in a parking lot, 3 of which are red trucks and 2 of which are blue trucks. Those are the only trucks in the lot. What is the probability that a randomly selected vehicle from this parking lot is a truck?

   $P(\text{truck}) = \dfrac{1}{11}$