Use the sample survey to make predictions.

1. If you randomly selected a person, what is the probability that his or her favorite sport is basketball?

2. In a group of 200 people, how many do you predict would choose baseball as their favorite sport?

3. In a class of 45 students, how many students do you predict would choose soccer as their favorite sport?

4. In a group of 100 people, how many do you predict would choose hockey as their favorite sport?

5. A local newspaper states that 75% of all the city's voters turned out for the city council elections. If you randomly selected 200 people in that city, how many do you predict would have voted in the election?

6. If you roll a fair number cube 30 times, how many times would you expect to roll an odd number?

7. A company claims that 8% of its customers were unhappy with the DVD players they bought. If the company sold DVD players to 2,000 people last year, how many of those customers do you predict were unhappy with their purchases?

8. If you toss a fair coin 48 times, how many times do you predict it will land tails up?