



## 9-6 Practice

Integration: Statistics  
Using Statistics to Predict

*A marketing company surveyed adults in a shopping mall about their favorite radio stations. The results are in the table below.*

1. What is the size of the sample?
2. What fraction of the sample chose KLAS as a favorite station?

Favorite Radio Station	
KALM	28
KOOL	32
KLAS	15
KRZY	34
none	11

3. What is the ratio of KOOL listeners to KALM listeners?
4. Suppose there are 15,880 people in the listening range of these stations. How many would you expect to listen to KRZY?
5. Suppose KLAS has 780 listeners. How many people would you predict listen to KOOL?

*Use the poll at the right to answer each question.*

6. What is the size of the sample?
7. What fraction of the sample is in favor or strongly in favor of the bill?
8. What fraction of the sample is strongly opposed to the bill?
9. Suppose 12,600 people live in the city where the poll was taken. How many would you predict will be opposed or strongly opposed to the bill?
10. How many of the 12,600 people would you predict will have no opinion about the bill?

Support of a Senate Bill	
Strongly in favor	3
In favor	18
Opposed	28
Strongly opposed	9
No opinion	5