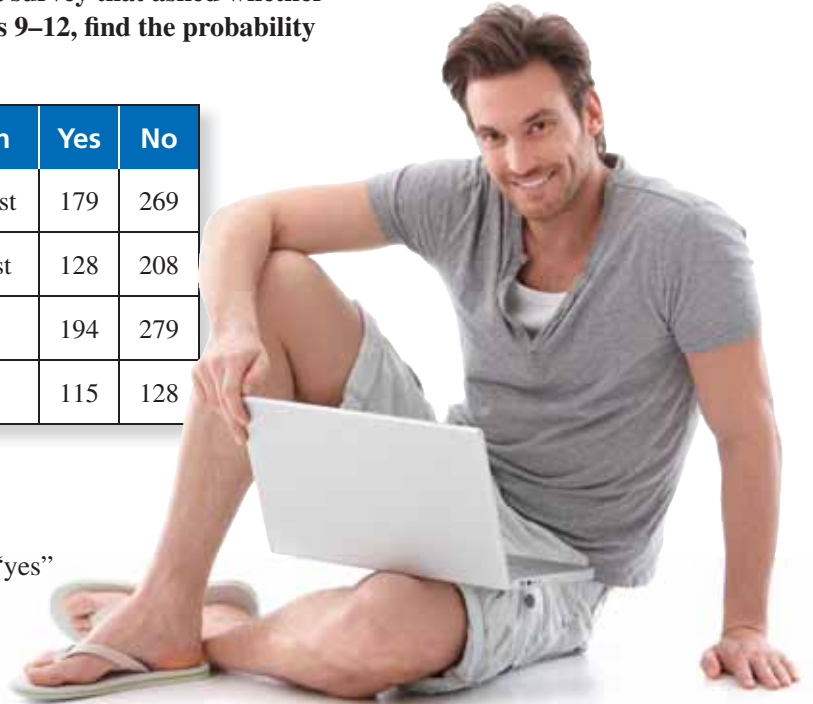


Internet Usage The tables show the results of a survey that asked whether the Internet is a main news source. In Exercises 9–12, find the probability of the event. (See Examples 3 and 4.)

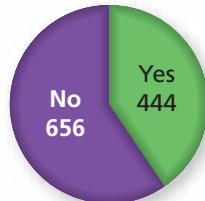
Age group	Yes	No
18–29	259	141
30–49	179	193
50–64	128	245
65 and over	50	305

Region	Yes	No
Northeast	179	269
Midwest	128	208
South	194	279
West	115	128



- A person in the 18–29 age group says “yes”
- A person in the 65 and over age group says “yes”
- A person in any age group says “no”
- A person in any region says “no”
- Data Analysis** Compare your answers to Exercises 11 and 12. What do you notice? Explain.

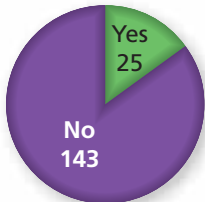
New Year’s Resolutions The circle graphs show the results of a survey that asked men and women in different body mass index (BMI) categories whether losing weight is one of their New Year’s resolutions. In Exercises 14–16, use the graphs. (See Examples 3 and 4.)



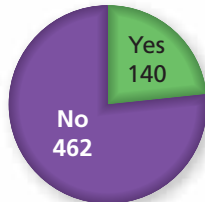
Male



Female



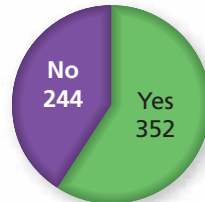
Underweight



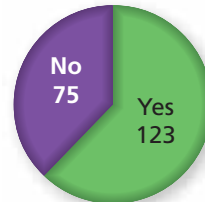
Normal weight



Overweight



Obese



Morbidly obese

- Find the probability that losing weight is one of the New Year’s resolutions for each gender. Then describe the likelihood.
- Find the probability that losing weight is one of the New Year’s resolutions for a person in each BMI category. Then describe the likelihood.
- Describe any trends you see in the graphs.