

**STUDY LINK**  
**1.9**

# Analyzing Circle Graphs



1. Would you be willing to tell strangers that they had
- |                                 |     |    |
|---------------------------------|-----|----|
| smudges on their faces?         | yes | no |
| food stuck between their teeth? | yes | no |
| dandruff?                       | yes | no |

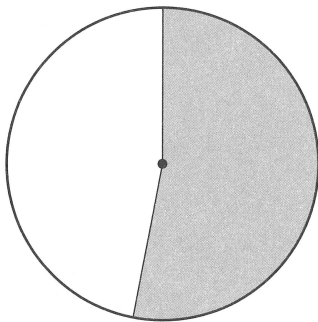
A marketing research company asked men and women these same questions. The results are summarized in the circle graphs below.

Use the legend to read the graphs.  yes, would tell     no, would not tell

2. Write estimates for the percents represented by each graph.

### Smudge on Face

Women

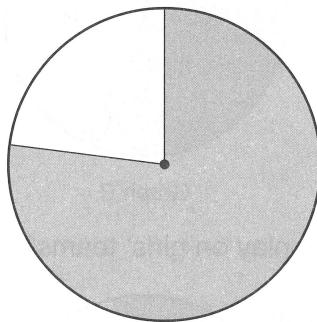


Estimates:

yes \_\_\_\_\_ no \_\_\_\_\_

### Food in Teeth

Women

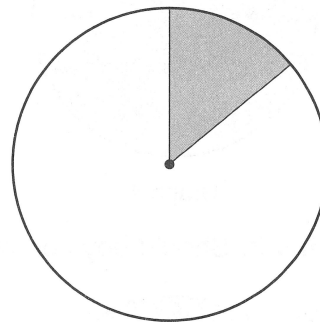


Estimates:

yes \_\_\_\_\_ no \_\_\_\_\_

### Dandruff

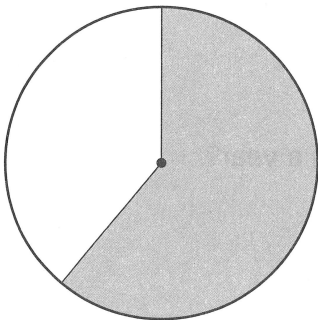
Women



Estimates:

yes \_\_\_\_\_ no \_\_\_\_\_

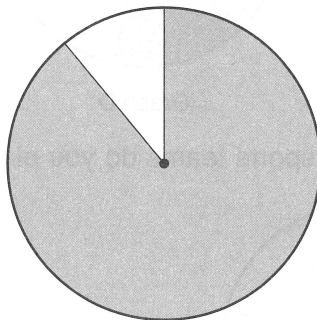
Men



Estimates:

yes \_\_\_\_\_ no \_\_\_\_\_

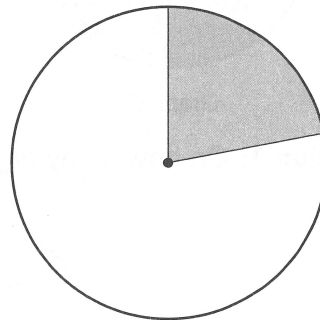
Men



Estimates:

yes \_\_\_\_\_ no \_\_\_\_\_

Men



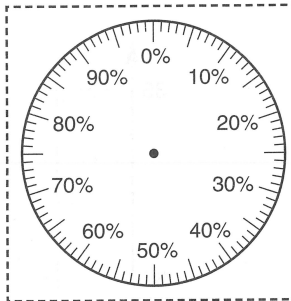
Estimates:

yes \_\_\_\_\_ no \_\_\_\_\_

Source: America by the Numbers

**STUDY LINK**  
**1•9**
**Analyzing Circle Graphs** *continued*


Cut out the Percent Circle at the right and poke a hole in the center with a pencil. Use the Percent Circle to find the percent represented by each sector mentioned in the questions below.



3. According to the survey, are men or women more likely to alert strangers to an embarrassing situation? \_\_\_\_\_
4. **a.** About what percent of men say they would tell strangers that they had food stuck between their teeth? \_\_\_\_\_
- b.** About what percent of men would not be willing to tell? \_\_\_\_\_
5. In the survey, how much greater is the percent of men who would be willing to alert strangers to smudges on their faces than the percent of women who would be willing to do so? \_\_\_\_\_
6. How much greater is the percent of women who would be willing to tell strangers about food in their teeth than the percent of women who would tell strangers about dandruff? \_\_\_\_\_
7. Why do you think people might be hesitant to alert strangers to such situations?  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Practice**

**8.**  $\frac{336}{14} = \underline{\hspace{2cm}}$

**9.**  $\underline{\hspace{2cm}} = 50\overline{)700}$

**10.**  $\frac{992}{31} = \underline{\hspace{2cm}}$

**11.**  $\underline{\hspace{2cm}} = 29\overline{)551}$