

NAME \_\_\_\_\_

DATE \_\_\_\_\_

PERIOD \_\_\_\_\_

### Extra Practice

### Estimate the Percent of a Number

For Exercises 1–20, estimate each percent. Show your estimation. (Examples 1 and 2)

1. 31% of 72  $\approx$  \_\_\_\_\_      2. 24% of 102  $\approx$  \_\_\_\_\_      3. 61% of 197  $\approx$  \_\_\_\_\_

4. 14% of 163  $\approx$  \_\_\_\_\_      5. 46% of 196  $\approx$  \_\_\_\_\_      6. 11% of 77  $\approx$  \_\_\_\_\_

7. 49% of 11  $\approx$  \_\_\_\_\_      8. 72% of 195  $\approx$  \_\_\_\_\_      9. 19% of 22  $\approx$  \_\_\_\_\_

10. 89% of 202  $\approx$  \_\_\_\_\_      11. 46% of 79  $\approx$  \_\_\_\_\_      12. 99% of 81  $\approx$  \_\_\_\_\_

13. Fransisco wants to buy a pair of sneakers. The sneakers cost \$81 before tax. The sales tax is 7.88%. About how much sales tax will Fransisco pay for the pair of sneakers?

14. There is a total of 704 students at a middle school. If 39% of the students purchased a ticket to the winter dance, about how many students purchased tickets to the dance?

15. During one year, a baseball team had a winning record of 56% over a total of 48 games. About how many games did the team win?

16. Estefania is saving for summer camp. The cost of the camp is \$317. Her parents want Estefania to pay for 33% of the camp. About how much money does Estefania need to pay?

NAME

DATE

PERIOD

17. On average, the city of Seattle has rain on approximately 42% of the days in a year. Given that there are 365 days in a year, approximately how many days a year does Seattle have rain?
18. Zion is selling ads for his baseball team's program. He sells 37 ads, of which about 24% are for half-pages. About how many ads are for half-pages?
19. The table shows the foreign-language enrollment percentages for O'Connor Middle School. There are 485 students taking a foreign language. About how many students are enrolled in Spanish?
20. The table shows the grade-level enrollment percentages for Liberty Middle School. There are 805 students enrolled. About how many students are in eighth grade?

Language	Percent of Students
French	33%
Latin	10%
Spanish	48%
German	9%

Grade Level	Percent of Students
Sixth grade	35%
Seventh grade	37%
Eighth grade	28%