SOLVING PERCENT PROBLEMS Answer the question when $n = 25$.

22. What percent of 140 is $(n + 94)$?

23. What percent of $(4n)$ is 96?

24. What number is 52% of $(2n + 15)$?

25. 25.5 is $(n - 8)$% of what number?

SOLVING PERCENT PROBLEMS Find the percent. Round your answer to the nearest whole percent, if necessary.

26. $3.00 tip for a $18.70 taxi fare

27. $1.44 tax on an item priced at $24.00

28. 90 rock CDs out of 125 CDs

29. 241 freshmen out of 804 students

30. WRITING Would you use a proportion or the percent equation to solve the following problem: What number is 25% of 600? *Explain*.

31. 🔻 **TAKS REASONING** The side length of a square is 40% of the side length of another square. Is the area of the smaller square 40% of the area of the larger square? *Explain*.

32. CHALLENGE Let y be 10% of a number. What is 50% of the number? Write your answer in terms of y.

PROBLEM SOLVING

33. SCHOOL TRANSPORTATION In a school transportation survey of 225 students, 18 of the students surveyed said that they walk to school. What percent of the students surveyed walk to school?
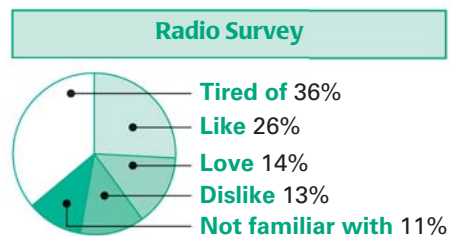
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34. DAYTONA 500 After completing 10 laps in the Daytona 500, a driver has completed 5% of the race. How many laps does the race have?

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35. MUSIC The circle graph shows the results of a radio survey in which 250 listeners were asked to rate a song.

   a. How many of the listeners who participated in the survey are "tired of" the song?

   b. How many of the listeners who participated in the survey "love" the song?

Radio Survey
Tired of 36%
Like 26%
Love 14%
Dislike 13%
Not familiar with 11%

36. HIKING The table gives data about the number of people who started hiking the Appalachian Trail in Georgia and the number of those people who completed the trail in Maine. Copy and complete the table.

Year	Hikers who started	Hikers who completed	Percent completion
2001	2380	?	16.6%
2002	?	376	20%
2003	1750	352	?