Pre-Algebra 7   **Worksheet 10-1**
Allen   **Percents & Proportions**   **Unit 10**

Write an equation for each problem, then solve. Round to the nearest tenth if necessary.

1. 25% of 176 is what number?

2. Find 90% of 20.

3. 24 is what percent of 30?

4. 80% of what number is 94?

5. What is 60% of 45?

6. 9 is what percent of 30?

7. What percent of 125 is 25?

8. Find 120% of 20.

9. 2% of what number is 5?

10. 15% of 290 is what number?

11. 16 is what percent of 4,000?

12. What is 140% of 60?

13. 344.8 is what percent of 862?

14. 6% of what number is 21?

15. Jonas and Linda's restaurant bill comes to $23.40. They are planning to tip the waiter 15% of their bill. How much money should they leave for a tip?

16. The Briarwood Middle School chess club has 55 members. 22 of the members are in 7th grade. What percent of the members of the chess club are in 7th grade?

17. In the city of Springfield, 75% of the parks have tennis courts. If 15 parks have tennis courts, how many parks does Springfield have all together?

18. There are 225 students in 8th grade at Jefferson Middle School. A survey shows that 64% of them are planning to attend college. How many Jefferson 8th grade students are planning to attend college?

19. In the 2001 season, quarterback Matt Hasselbeck of the Seattle Seahawks had 8 passes intercepted out of 321 attempts. What percent of Matt Hasselbeck's passes were intercepted? Round to the nearest tenth if necessary.

20. In a survey, 525 teenagers were asked to name a water sport that they would most like to try, and 20% said "surfing." How many teenagers said "surfing"?

21. In a classroom of 25 students, 16 students are wearing sandals. What percent of the students are wearing sandals?

22. Students are auditioning for a school play. Only 18 out of the 45 students auditioning will get a part in the play. What percent of the students who audition will be in the play?