PERCENT APPLICATIONS WORKSHEET

1. Sue answers 42 out of 60 questions correctly. What **percent** of her answers are correct?

2. On a 20-item practice test, how many questions must you answer correctly for a score of 80% correct?

3. A teacher earns $18,500 per year. If 18% of her income is withheld for taxes, how much money is withheld for taxes? How much of her income is left after taxes?

4. A 25¢ stamp is increased to 30¢. What **percent** of the original price does this increase represent?

5. At $450 per month, a student pays $5400 a year in rent. If his annual income is $15,000, what **percent** of his income is spent on rent?

6. In one state, sales tax is 6%. If sales tax on a car is $564.00, find the price of the car before tax.

7. Of the 540 seniors at Lake City High School, 35% are going on a school trip. If the buses ordered for the trip seat 42 students, how many buses will be needed so that each student will have a seat?

8. What **percent** was a television set reduced if it was marked $225 and sold for $195?

10. During a sale, a shirt was marked down from $70 to $56. What was the **percent** decrease?

11. If the sales tax rate is 6%, find the tax on a $429.95 television to the nearest cent.

12. A car salesperson advertises 18% off the price of a $3990.00 Yugo. What would the new price be?

13. Barb earns a 26% commission on each lab manual she sells. If she sells 1200 manuals at $9.95 each, find her commission.

14. A boat has a retail price of $9995.00. If it is on sale for $8495, what is the **percent** discount to the nearest **percent**?

15. A boat on sale last week for $8495.00 is marked up to $9995.00. What is the **percent** of price increase to the nearest **percent**?

16. A carpet salesperson claims that a carpet on sale for $12.95 per square yard is 30% off its original price. What was its original price?

17. A stereo costs $418.70, including 6% sales ax. How much was the sales tax itself?

19. Find the annual rate of inflation of a gallon of milk costing $2.25 last year and $2.70 this year.

20. To keep pace with a 4% rate of inflation, how much should last year's $0.37 stamp cost this year?

21. In an election, one candidate claimed 52% of the votes, while the other candidate claimed 2681 votes. If 5000 people voted, how do you know the election results are invalid?

22. If you answered 37 items correctly on a test, and received a score of 74%, how many items were on the test?

23. 85% of the students who take College Algebra pass the course. How many fail out of 140 students?

ANSWERS

1. 70%
2. 16
3. $15,200
4. 20%
5. 36%
6. $9400
7. 5 buses
8. 13 1/3%
10. 20%
11. $25.80
12. $3271.80
13. $3104.40
14. 15%
15. 18%
16. $18.50
17. $23.70
19. 20%
20. $0.26
21. The number of votes would total 5281.