ACF 92
HOMEWORK WORKSHEET #13

• The final answers must go on the "Homework Answer Sheet".
• To receive credit, STAPLE the work for each problem to the answer sheet. **NO WORK, NO CREDIT!!**
• The work for the problems should be neat and clearly numbered. Sloppy work will not be accepted.
• You are strongly advised to get help in study group or tutorial sessions if you are having difficulty in answering the problems.
• Late Homework will **NOT** be accepted!!!

**DIRECTIONS:**
- Write money in proper form.
- Reduce fractions/ratios to lowest terms.
- Round decimals to the nearest cent/hundredths.

1) The United States grows 45 million pounds of cherries in the months of June and July. If New Jersey produces $\frac{33}{3} \%$ of the cherries grown, how many pounds does New Jersey produce?

2) Tanner bought 2 shirts listed at $18.50 each, 4 ties listed at $10.75 each, and a pair of slacks listed at $42. With a 7% sales tax, how much did Tanner spend?

3) Find the sale price of a $18,350 station wagon that is being sold at a 10 $\frac{1}{2}$% discount.

4) One year, a town’s semi-professional baseball league had an average of 550 people attend each game. Because they won the championship that year, the town expected an increase of 200 people attending each game next year. What is the percent of increase of attendance?

5) What is the net pay on a salary of $879.00 after deductions of 7.6% for health insurance, 10% for federal income tax, 1.5% for state taxes and 2.2% for unemployment benefits?

6) What is the final price of a $1498.00 leather sofa, if there is a 5% discount and a 6 $\frac{1}{2}$% sales tax?

7) The number of student organization members increased from 400 to 500. What is the percent of increase?

8) Mr. James sold 50 cars in June and 38 cars in July. Find the percent of decrease in sales.

9) The price of a share of stock went down from $24.75 by $12. What was the percent of decrease?

10) Suppose 1.8% of the blouses shipped from the factory are defective. If there are 45 defective blouses in the shipment, how many blouses were not defective in the shipment?
11) Beachwear Best sells a bathing suit for $34.95 and Sandy Beaches sells the same model for $32.25. At their end-of-summer sales, Beachwear Best offers 3/5 off, and Sandy Beaches offers a 55% discount. Which store offers the better sale price?

12) You borrow $2,540 to buy a new plasma television. The loan agreement with the department store has the following terms: 10 ½ % annual interest rate for 9 months.
   a) How much interest will you pay on the loan?
   b) What is the total amount to be repaid to the department store?
   c) How much will your monthly payments be?

13) You own a bookstore. You need to borrow $55,000 for renovations, but can afford loan payments of only $2000 per month. Second National Bank will give you the $55,000 loan at an annual interest rate of 15.7% to be repaid over an 8-year period. Can you afford the monthly payments on the Second National loan?