

## Percentage Word Problems

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- (1) A coat costs \$256 on sale. What was the original price of the coat if it had been marked down 20%?
- (2) A dress costs \$150. It was marked down 20% and there was a 10% sales tax. What was the final cost of the dress?
- (3) A person bought a lamp which had been marked down 80%. If the sales tax was 15% and the final price paid for the lamp was \$184, what was the original price of the lamp?
- (4) A certain item costs \$200. After it was marked down the sale price was \$130. What percentage was it marked down?
- (5) A certain item was marked down 30%. Then it was marked down 80%. If the final price was \$308, what was the original price of the item?
- (6) Mary deposits some money in an account which pays 5% simple interest per year, and twice that amount in an account paying 4% simple interest per year. If she collects \$533.00 dollars in interest per year, how much did she deposit in each account?
- (7) Tawanda deposits some money in an account which pays 4% simple interest per year, and \$400 more than that in an account paying 5% simple interest per year. If she collects \$128.00 dollars in interest per year, how much did she deposit in the greater interest bearing account?
- (8) Travis invests 20% of his yearly income of \$30,000. He invests some in a  $3\frac{1}{2}$  % account and the remainder at 4%. If he receives \$226 in interest, how much does he invest at each rate?
- (9) A total of \$8000 dollars is invested for one year, part at 9% and the remainder at 8%. If \$665 interest is earned, how much is invested at 8%?
- (10) A total of \$2000 was invested for one year, part at 8% and the remainder at 12%. If the total interest was \$184, how much was invested at 8%?
- (11) A total of \$1900 dollars is invested for one year, part at 4% and part at 6%. If \$90 interest is earned, how much is invested at 6%?
- (12) Fran deposited \$6000 in a savings account at 5%. Fran later deposited money in a Certificate of Deposit paying 8%. If Fran is now realizing 7% on his total investment, how much money did he invest at 8%?
- (13) Felicia's take home pay per week is \$400. Her deductions for social security, taxes, and insurance amount to 20% of her gross weekly pay. In addition, she has \$100 taken out of her weekly pay by the company for savings bonds. What is her weekly gross pay?
- (14) Jack invested some money at 5%, and twice that amount at 10%. If his total interest was \$250.00, how much money did he invest at 10%?
- (15) John invested \$2000 at a certain interest rate. He then invested \$3000 at twice the first rate of interest. If his total interest from both accounts was \$280, what were the interest rates?
- (16) Jose invested \$10,000 in two accounts. One account paid 2% more than the other account. He invested the same amount in both accounts. If he received \$800 dollars in interest, what percent interest did the lower paying account pay?
- (17) The population of a certain town increased 5% to a total of 2,541 in a certain year. What was the population the year before?
- (18) Maurice invests \$20,000 in two accounts. One pays 9% and the other pays 8%. If he receives \$440 more dollars in interest from the 9% account, how much did he invest in each rate?