1. Manny plans to save 1/14 of his salary each week. If his weekly salary is 4420, find the amount he will save each week. Manny will save $\_\_\_\_\_\_\_\_\_\_\_315.7\_\_\_\_\_\_ each week.

2. Last week at a​ festival, a man sold 5 times as many​ tie-dyed T-shirts as​ silk-screened shirts. He sold

234 shirts altogether. How many​ tie-dyed shirts did he​ sell? The number of​ tie-dyed shirts is \_\_\_\_\_195\_\_\_\_\_\_\_\_\_\_\_.

3. A man ordered 4 times as many boxes of ballpoint pens as boxes of​ felt-tip pens. Ballpoint pens cost $4.39 per​ box, and​ felt-tip pens cost $3.42. If the​ man's order of pens totaled $83.92​, how many boxes of each type of pen did he​ buy 16 ballpoint and 4 felt-tip? How many boxes of​ felt-tip pens did he​ buy **4**?

4. A​ company's stock earned $143,000,000. If these earnings represent $1.18 per​ share, how many shares of stock are​there? The company has \_\_\_121186440\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ shares of stock.

5. A recipe uses 3 cups of flour to 1 1/10 cups of milk. If you have 2 cups of​ flour, how much milk should you​ use? The amount of milk in cups for 2 cups of flour is \_\_\_\_\_\_\_\_\_\_0.73\_\_\_\_\_\_.

6. For 33 hours of​ work, you are paid $245.85. How much would you receive for 37 hours? You would receive $\_\_\_\_\_\_\_\_275.65\_\_\_\_\_\_\_\_\_.

7. Two​ part-time employees share one​ full-time job. A girl works Mondays​, Wednesdays, and​ Fridays, and a boy works Tuesdays and Thursdays. The job pays an annual salary of $28,612. What annual salary does each employee​ earn? The​ girl's salary is $\_\_\_\_\_\_\_\_17167\_\_\_\_\_\_\_\_\_\_\_\_.

8. If 1,000 US Dollars is equivalent to 0.5970 British pounds, convert $14,000 to pounds. $14,000 is equivalent to \_\_\_\_\_\_8.358\_\_\_\_\_\_\_\_\_\_ British pounds.

9. A store ordered 750 candles at a total wholesale cost of $8,478.14. The soy candles cost $12.83 each and the specialty candles cost $10.39 each. How many of each type of candle were​ ordered? The store ordered \_\_\_\_\_281\_\_\_\_\_ soy candles and \_\_\_\_\_\_469\_\_\_\_\_\_ specialty candles.

10. A company purchased​ 10,000 pairs of​ men's slacks for $19.16 per pair and marked them up $22.23. What was the selling price of each pair of​ slacks? Use the formula S=C+M. The selling price of each pairs of slacks is $\_\_\_\_\_\_\_\_\_\_41.39\_\_\_\_\_\_.

11. A store had 896 swimsuits that were marked to sell at $46.95. Each suit was marked down $17.90. Find the reduced price using the formula M=S−​N, where M is the​ markdown, S is the original selling​ price, and N is the reduced price. The reduced price is $\_\_\_\_\_\_29.05\_\_\_\_\_\_\_\_\_.

12. A company sold bird feeders for $72.57 and had marked them up $37.32. What was the cost of the​feeders? Use the formula S=C+M. The cost of the feeders is $\_\_\_\_\_\_\_\_35.25\_\_\_\_\_\_\_\_\_.

13. Ron borrowed $40,000 to start up his consulting business. The loan had a simple interest rate of 5.4​% for 3 years. Use the formula I=prt to find the amount of interest he will pay on the loan. I=​interest, p=​principal, r=rate (expressed as a decimal 0.054​), t=time in years. He will pay $\_\_\_\_\_\_6480\_\_\_\_\_\_\_\_ on the loan.

14. Elaine purchased a new copy machine and financed it for one year. The installment price was $3954.25 and the cash price was $3699. Find the amount of finance charge using the formula Finance charge=Installment price−Cash price. The amount of finance charge is $\_\_\_\_\_\_\_\_\_\_\_255.25\_\_\_\_.

15. Jerome Erickson is a retired school district administrator who now works as a consultant specializing in hiring administrators for school districts. Jerome used to charge a flat fee of $4500 for each administrator​ hired, but decided to develop a new pricing​ structure, as shown in the table. Carol Ferguson is an overworked accounting clerk in a small school district. She sits at her​ desk, reviewing the pricing structure in the brochure from Erickson Consulting. She knows that Mr. Erickson is one of the most highly regarded educational consultants in the state but is not sure that the district can afford him. The school board had voted to budget $6000 for the district administrator​ search, based on​Carol's recommendation.





16. Find the maturity value of a loan of $2,700.00 after three years. The loan carries a simple interest rate of 7.7​% per year. The maturity value of a loan is $\_\_\_\_\_3323.7\_\_\_\_\_\_\_\_\_\_.

17. Mr. Smith borrowed $25,000 to purchase stock for his baseball card shop. He repaid the simple interest loan after five years. He paid interest of $6,220. What was the interest​ rate? The interest rate on the loan was \_\_\_\_\_\_\_\_\_4.976%\_\_\_\_\_\_\_.

18. Find the exact interest on a loan of $33,000 at 8​% annually for 25 days. $181

19. A loan for $2,000 with a simple annual interest rate of 20​% was made on April 5 and was due on June 29. Find the ordinary interest. The ordinary interest was $\_\_\_98.63\_\_\_\_\_\_\_\_\_\_\_\_.

20. Find the discount and proceeds on a $3,260 face-value note for nine months if the discount rate is 9.6​%. (Use the​ banker's rule.) The discount is $\_\_\_\_\_\_\_\_\_\_\_234.72\_\_\_\_\_\_. The proceeds are $\_\_\_\_\_\_\_\_\_\_3025.28\_\_\_\_\_.

21. Find the interest paid on a loan of $2,500 for one year at a simple interest rate of 11​% per year. The interest on a loan is $\_\_\_\_275\_\_\_\_\_\_\_\_\_.

22. Find the maturity value of a loan of $700 after two years. The loan carries a simple interest rate of 8 1/4​% per year. The maturity value of the loan is $\_\_\_\_\_\_\_\_815.5\_\_\_\_\_\_\_\_.

23. Convert to​ years, expressed in decimal form to the nearest hundredth. 2 months = 0.25\_\_\_ year.

24. A loan is made for 54 months. Convert the time to years. 54 months = \_\_4.5\_ years.

25. A man took out a $45,000 construction loan to remodel a house. The loan rate is 8.3​% simple interest per year to be repaid in three months. How much is paid​ back? A man pays back $\_\_\_\_\_\_\_\_\_\_\_45933.75\_\_.

26. A man needed money to buy lawn equipment. He borrowed $700.00 for seven months and paid $53.96 in interest. What was the rate of​ interest? The rate of interest per year was \_\_\_\_\_\_\_\_\_13.21\_%.

27. A man needed money for college. He borrowed $5,000 at 14​% simple interest per year. If he paid $525 interest, what was the duration of the​ loan? The duration of the loan is \_\_0.75\_\_\_\_\_\_\_\_ year.

28. Mr. Smith borrowed $29,000 to purchase stock for his baseball card shop. He repaid the simple interest loan after three years. He paid interest of $6,740. What was the interest​ rate? The interest rate on the loan was \_\_\_\_\_\_\_\_\_\_7.75%\_\_\_.

29. Find the exact interest on a loan of $7,000 at 8​% annually for 60 days. **93.34**

30. A loan made on March 7 is due September 5 of the following year. Find the exact time for the loan in a​ non-leap year and a leap year. The exact time in a​ non-leap year is \_\_547.5\_\_\_\_\_\_\_\_ days. The exact time in a leap year is \_548.5\_\_\_\_\_\_ days.

31. A loan for $3,000 with a simple annual interest rate of 15​% was made on June 16 and was due on August 16. Find the exact interest. $75

32. A loan for $3,000 with a simple annual interest rate of 10​% was made on September 19 and was due on November 23. Find the ordinary interest.46.02

33. Find the adjusted balance due at maturity for a 90 day note of $18,000 at 13.9​% ordinary interest if a partial payment of $6,000 is made on the 60th day of the loan. The adjusted balance due an maturity is

​$\_\_\_\_\_\_12556\_\_\_\_\_.

34. Raul Fletes borrowed $7,500 on a 180​-day note that required ordinary interest at 13.53​%. Raul paid $3,750 on the note on the 120th day. How much interest did he save by making the partial​ payment? The interest saved is $\_\_\_\_\_\_\_\_84\_\_\_.

35. A man makes a simple discount note with a face value of $2,700​, a term of 180 days, and a 9​% discount rate. Find the discount.​ (Use the​ banker's rule.) The discount is $\_\_\_\_\_\_\_\_\_\_\_\_\_.

36. Find the discount and proceeds on a $3,250 face-value note for nine months if the discount rate is 9.4​%. (Use the​banker's rule.) The discount is $\_\_\_\_\_\_437\_\_\_\_\_\_\_\_.

37. Find the maturity value of the undiscounted promissory note that states that Philip Esterey borrowed $5,000 for a period of 7 months with ordinary interest at 11​%. The date of the note was October 12​, 2008. The maturity date was May 12. The maturity value of the undiscounted promissory note is $\_\_\_\_\_\_\_5320.83\_\_\_\_.

38. A man has a simple discount note for $6,100​, at an ordinary bank discount rate of 8.61%, for 40

days. What is the effective interest​ rate? Round to the nearest tenth of a percent.​ (Use the​ banker's rule.) The effective interest rate is \_\_\_\_\_\_\_\_\_\_\_\_\_%.

39. Sara is looking to purchase a washer and dryer. The Saturday newspaper had an advertisement for a local appliance store offering​ "90 days, same as​ cash!" financing. Sara asked how the financing worked and learned that she could pay for the washer and dryer any time during the first 90 days for the purchase price plus sales tax. If she waited​ longer, she would have to pay the purchase​ price, plus sales​ tax, plus

25.1​% annual simple interest for the first 90​ days, plus 4​% simple interest per month​ (or any part of a month) on the unpaid balance after 90 days.​ Together, the washer and dryer cost $699 plus the 7.25​%

sales tax. Sara knew that her tax refund from the IRS would be $900​, so she bought the washer and dryer confident that she could pay off the balance within the 90 days. If Sara pays off the balance within 90​ days, how much will she​ pay? $\_\_\_\_\_\_\_829\_\_\_\_\_\_\_ total to pay within 90 days.