

Applications

Never confuse the size of your paycheck with the size of your talent.

Marlon Brando, Actor

1. Interpret the quote in the context of what you learned about jobs and salaries.
2. Yoko is paid semimonthly. How many fewer paychecks does she receive in a year compared to someone who is paid weekly?
3. Sean is paid biweekly. His annual salary is \$42,500. What is his biweekly salary to the nearest cent?
4. Cynthia's semimonthly salary is \$1,371.50. What is her annual salary?
5. Baseball player Alex Rodriguez earned \$27,708,525 in 2007. He played in 158 games. What was his salary per game to the nearest thousand dollars?
6. Ceil gets paid biweekly. Her biweekly salary is \$1,763.28. What is her annual salary?
7. John's weekly salary is \$478.25. His employer is changing the pay period to semimonthly.
 - a. What is John's annual salary?
 - b. What will John's semimonthly salary be to the nearest cent?
8. Ralph earns \$72,000 annually as an architect and is paid semimonthly. Alice also earns \$72,000 but she is paid biweekly.
 - a. How many more checks does Alice receive in a year when compared to Ralph?
 - b. What is the difference between Ralph's semimonthly salary and Alice's biweekly salary? Round to the nearest cent.
9. Last year Beth's annual salary was \$38,350. This year she received a promotion and now earns \$46,462 annually. She is paid biweekly.
 - a. What was her biweekly salary last year?
 - b. What is Beth's biweekly salary this year?
 - c. On a biweekly basis, how much more does Beth earn as a result of her promotion?
10. Justin is a golf pro. He works eight months per year, and is paid \$76,000. During the winter months, he teaches golf privately and earns another \$12,500. What is his average monthly salary based on his yearly earnings?
11. Last year Nancy's annual salary was x dollars. This year she received a raise of y dollars per year. She is paid semimonthly.
 - a. Express her semimonthly salary last year algebraically.
 - b. Express her semimonthly salary this year algebraically.
 - c. On a monthly basis, how much more does Nancy earn as a result of her raise?

12. Hector works in a gas station and earns \$8.60 per hour. Last week he worked 29 hours. What was his gross pay?
13. Eddie works at Beep-N-Kleen car wash. He earns \$8.40 per hour. Last week he worked x hours at this rate. Express his gross pay algebraically.
14. Lynn regularly works a 40-hour week and earns \$9 per hour. She receives time-and-a-half pay for each hour of overtime she works. Last week she worked 43 hours.
 - a. What was her regular gross pay?
 - b. What was her hourly overtime rate?
 - c. What was her overtime pay?
 - d. What was her total pay for the week?
15. Amy regularly works 20 hours per week at Pook's Dry Cleaners from Monday through Friday. She earns \$8.10 per hour and receives double-time pay for working Sundays. Next week she will work her regular 20 weekday hours, and an additional eight hours on Sunday. What will her total pay be for the week?
16. Tom earns \$12.50 per hour at the Yankee Bowling Alley. He regularly works 40 hours per week. He is paid time-and-a-half for each hour of overtime work. Last week he worked 42 hours. What was his gross pay for the week?
17. Pedro works 35 regular hours per week at the Meadow Deli. His hours over 35 are considered overtime. He earns \$9.20 per hour and receives time-and-a-half pay for each hour of overtime he works. Last week he worked 41 hours and received a gross pay of \$305.80. This amount is incorrect. How much does Pedro's boss owe him?
18. Colby and Cheryl work in different local supermarkets. Colby regularly earns \$8.90 per hour, and he is paid time-and-a-half for each hour of overtime he works. Cheryl regularly earns \$7.10 per hour, and she is paid double time for an hour of overtime. Who earns more for one hour of overtime? How much more?
19. Ron earns x dollars per hour. He regularly works 40 hours per week. Express his annual salary algebraically.
20. Michael earns \$10 per hour. He regularly works 40 hours per week. How many overtime hours would he have to work in a week for his overtime pay to be greater than his regular gross pay?
21. Jim worked 40 regular hours last week, plus 8 overtime hours at the time-and-a-half rate. His gross pay was \$1,248.
 - a. What was his hourly rate?
 - b. What was his hourly overtime rate?
22. Julianne works as a waitress. She earns \$5.90 per hour plus tips.
 - a. Today she worked x hours. Express her pay for these hours algebraically.
 - b. She served nine tables. The total bill for these nine tables was y dollars. Julianne received 18% in tips from these bills. Express the amount she received in tips algebraically.
 - c. Express Julianne's total earnings for the day algebraically.