

FM Chapter 5 Review 1

- (SM5-1:3) Mr. Leonard took a job through an employment agency. The job pays \$88K per year. He must pay a fee to the employment agency. The fee is 22% of his first 4 weeks' pay. How much money must Mr. Leonard pay the agency, to the nearest cent?
- (SM5-1:11) Rudy's job pays him \$1,550 per week. What is his annual salary?
- (SM5-1:12b) Teach-Tech is an online job-listing site for prospective teachers. The charge to teachers looking for jobs is \$19 per week, for the first 4 weeks, to post their resumes. After four weeks, the cost is \$7 per week. Find the cost of listing a resume for 8 weeks.
- (SM5-1:15) Kevin is looking for a job as a piano technician. One classified ad lists a job that pays 64.6K. Another job he found has a weekly salary of \$1,120. What is the difference in the weekly salaries of these two jobs? Round to the nearest dollar.
- (SM5-1:16) Michelle got a new job through the McCartney Employment Agency. The job pays \$49,400 per year, and the agency fee is equal to 35% of one month's pay. How much must Michelle pay the agency? Round to the nearest cent.
- (SM5-1:17) Todd is looking for a job as a chemistry teacher. He plans to send resumes to 145 schools in his city. His local printer charges \$34 per 100 copies and sells them only in sets of 100.
 - How many copies must Todd purchase if he is to have enough resumes?
 - How much will the copies cost Todd, including 5% sales tax?
- (SM5-2:3) Mrs. Frederick is paid semimonthly. Her semimonthly salary is \$1,641.55. What is her annual salary?
- (SM5-2:5) Julianne works as a waitress at a local Emerald Monday restaurant. Her regular hourly wage is \$15.50
 - She regularly works 40 hours per week. What is her regular weekly pay?
 - If she works 50 weeks each year at this rate, what is her annual wage?
- (SM5-2:11) Krissy worked her 40 regular hours last week, plus 8 overtime hours at the time-and-a-half rate. Her gross pay was \$785.20. What was her hourly rate?
- (SM5-2:12) Mrs. Frasier worked her 40 regular hours last week, plus 4 overtime hours at the double-time rate. Her gross pay was \$734.40. What was her hourly rate?

11. (SM5-2:16) In 2003, Carlos Zambrano earned \$340,000 pitching for the Chicago Cubs. In 2009, his salary was \$18,750,000.
- Zambrano pitched in 32 games in 2003. What was his salary per game in 2003?
 - He pitched in 28 games in 2009. What was his salary per game in 2009? Round to the nearest cent.
 - Did he earn more per game in 2009 than he did for the entire 2003 season?
12. (SM5-2:17) Last year, Mrs. Sclair's annual salary was \$88,441. This year she received a raise and now earns \$96,402 annually. She is paid weekly.
- What was her weekly salary last year? Round to the nearest cent.
 - What is Mrs. Sclair's weekly salary this year? Round to the nearest cent.
 - On a weekly basis, how much more does Mrs. Sclair earn as a result of her raise?
13. (SM5-3:4) Rock singer and writer Beep Blair is paid 11.5% on her CD sales and music downloads. Last year, she sold 1.22 million CDs and 2.1 million music downloads. The CDs were sold to music stores for \$5 each, and the music downloads were \$1 each.
- What was the total amount of income from CD sales?
 - What was the total amount of download sales?
 - How much did Beep Blair receive in royalties last year?
14. (SM5-3:9) Casey is a real estate agent. She earns 8.15% commission on each sale she makes. After working with a potential buyer for 3.5 months, she finally sold a house for \$877,000. What did Casey earn in commissions for this sale?
15. (SM5-3:11) Jill picks corn and gets paid at a piecework rate of 55 cents per container for the first 300 containers picked. She receives 60 cents per container for every container over 300 that she picks. Last week, Jill picked 370 containers. How much did she earn?
16. (SM5-3:13) Ms. Halloran works in a factory. She receives a salary of \$15 per hour and piecework pay of 15 cents per unit produced. Last week she worked 40 hours and produced 988 units.
- What was her piecework pay?
 - What was her total hourly pay for the week?
 - What was her total pay for the week?
 - If her boss offered to pay her a straight \$18 per hour and no piecework pay for the week, would she earn more or less than under the piecework pay system?
 - Under her current pay plan, what would her total weekly salary have been if she produced 0 units?