

Business Math Objective Roadmap

Students will have the opportunity to:

Chapter 1 — Day 10 Gross Pay

- Calculate hourly pay and salary, including regular and overtime pay. (**Hourly Pay and Salary**)
Problems: §1.1 11-25, §1.3 12-26
- Consider other wage plans such as commission, piece-rate, per diem, and tips. (**Other Wage Plans**)
Problems: §1.4 13-26, §1.5 9-23

Chapter 2 — Day 20 Net Pay

- Understand deductions from gross pay, such as federal withholding taxes, social security, and medicare tax deductions. (**Deductions from Gross Pay**)
Problems: §2.1 15-46
- Calculate and compare the net benefits of jobs. (**Net Job Benefits**)
Problems: §2.2 15-22
- Prepare federal and state tax returns. (**Federal and State Taxes**)
Problems: §2.3 11-36, §2.4 7-21, 4 Practice Tax Returns
- Keep cash receipts, columnar cash payments records, and budgets. (**Cash Receipts, Payments Records, and Budgets**)
Problems: §2.5 8-14, §2.6 15-27

Chapter 3 — Day 30 Banking Services

- Prepare deposit slips and record entries in a check register. (**Checking Accounts**)
Problems: §3.1 7-19, §3.2 5-9
- Reconcile a bank statement and reconcile and correct a check register. (**Check Register Reconciliation**)
Problems: §3.4 5-11, §3.5 5-12
- Calculate simple and compound interest for savings deposits. (**Savings Accounts**)
Problems: §3.6 7-25
- Understand money market and CD accounts and calculate their interest and penalties. (**Money Markets and CDs**)
Problems: §3.7 9-13

Chapter 4 — Day 40 Loans and Credit Cards

- Calculate several types of interest on regular and discounted promissory notes. (**Promissory Notes**)
Problems: §4.1 7-33, §4.2 10-28
- Calculate installment prices, finance charges, number of monthly payments, interest, principal payment, and new balances for installment loans. (**Installment Loans**)
Problems: §4.4 11-29
- Calculate the annual percentage rate on a loan. (**APR**)
Problems: §4.6 9-26
- Understand credit card statements and calculate credit card finance charges. (**Credit Cards**)
Problems: §4.7 12-23, §4.8 5-18

Chapter 5 — Day 50 Spend Wisely

- Calculate sales taxes. (**Sales Taxes**)
Problems: §5.1 5-17
- Calculate extensions, sales slip totals, and unit prices, and use them when comparing shopping options. (**Comparitive Shopping**)
Problems: §5.2 9-20, §5.3 7-19, §5.4 10-28

Chapter 6 — Day 60 Own a Home or Car

- Understand and calculate costs associated with mortgages. (**Mortgages**)
Problems: §6.1 11-28
- Compare the costs of renting versus owning property. (**Rent vs. Own**)
Problems: §6.2 9-18
- Calculate taxes, insurance premiums, and insurance claims for property. (**Property Taxes and Insurance**)
Problems: §6.3 7-26, §6.4 11-28
- Calculate car costs, including purchase costs, insurance, and buying versus leasing. (**Buying a Car**)
Problems: §6.5 11-18, §6.6 7-26, §6.7 6-18, §6.8 9-19

Chapter 7 — Day 70 Insurance and Investments

- Understand and calculate life, health, and disability insurance premiums and benefits. (**Life, Health, and Disability Insurance**)
Problems: §7.1 9-31, §7.2 4-24, §7.3 7-19
- Calculate the market price, income, yield, and total cost of bonds. (**Bonds**)
Problems: §7.4 7-31, §7.5 1-30
- Calculate the costs, dividends, yields, and proceeds of stocks and mutual funds. (**Stocks and Mutual Funds**)
Problems: §7.6 5-51, §7.7 7-26
- Calculate net income, rate of return, and rent to be charged for real estate investments. (**Real Estate**)
Problems: §7.8 9-35
- Calculate your retirement income, pension income, and other costs and benefits related to retirement investments. (**Retirement Investments**)
Problems: §7.9 1-16

Chapter 8 — Day 80 Business Data Analysis

- Find measures of central tendency, including mean, median, mode, and range for a set of data. (**Measures of Central Tendency**)
Problems: §8.1 5-16
- Compute the probability, including that based on experiments and experience. (**Probability**)
Problems: §8.2 7-20
- Interpret and make bar, line, circle, and rectangle graphs. (**Graphs**)
Problems: §8.3 5-18, §8.4 7-16
- Interpret consumer price index data and calculate inflation and the power of the dollar. (**Economic Statistics**)
Problems: §8.5 7-22

Chapter 9 — Day 90 Business Technologies

- Consider and calculate costs related to computer hardware, software, and support. (**Computing Costs**)
Problems: §9.1 9-28, §9.2 13-23, §9.3 9-22
- Calculate the costs of e-business, high-speed internet access, and wireless communications. (**Business Communications**)
Problems: §9.4 9-24, §9.5 9-18