## Uncle Sam Takes a Bite

## LESSON DESCRIPTION AND BACKGROUND

Young people are sometimes surprised to learn that the pay they earn is not the same as the pay they take home. This lesson introduces students to the concepts of gross pay, net pay, marginal tax rate, income taxation, tax planning using pretax dollars for retirement savings and insurance, and the completion of Form 1040EZ. It teaches them how to compute tax savings from using pre-tax dollars for insurance and retirement plans. It asks the question, "Is it better to get a tax refund or to withhold lower tax payments throughout the year?" The students use paycheck stubs, W-2 forms, and tax tables to calculate taxable income, marginal tax rates, and taxes owed. They also complete a 1040EZ form.
Lesson 7 correlates with national standards for economics and personal finance as shown in Tables 1-2 in the introductory section of the publication.

## ECONOMIC AND PERSONAL FINANCE CONCEPTS

- Gross pay
- Income taxation
- Marginal tax rate
- Net pay


## OBJECTIVES

At the end of this lesson the student will be able to:

- Identify and explain the meaning of key terms such as gross pay, net pay, deductions, benefits, tax credits, itemized deductions, marginal tax rate, withholding, personal exemption, standard deduction.
- Identify the types of benefits provided by employers.
- Distinguish between required and optional tax deductions.
- Compute tax savings from using pre-tax dollars for insurance.
- Calculate taxable income and the amount of a tax refund.


## TIME REQUIRED

Two or three 45-minute class periods

## MATERIALS

- A transparency of Visual 7.1, 7.2, 7.3, 7.4, and 7.5
- A copy for each student of Exercise 7.1, 7.2, 7.3, and 7.4 from the Student Workbook
- A copy for each student of Illustration 7.1 from the Student Workbook


## ADDITIONAL RESOURCES

To download visuals, find related lessons, correlations to state standards, interactives, and more visit http://fffl.councilforeconed.org/9-12/lesson7.

## PROCEDURE

1. Tell the students that the pay they earn is not the same as the pay they take home. Ask: What accounts for the difference between pay that is earned and take-home pay? (Answers will vary, but should include taxes [FICA tax, federal and state income tax] and benefits payments [contributions to health and dental insurance, retirement savings, union dues, etc.].) Explain that this lesson has two main goals: to help the students understand how taxes affect net pay, and to introduce strategies people can use to reduce their taxes, enabling them to bring home the largest paycheck that they are legally entitled to.
2. Explain that most people can easily file their own federal income taxes by using Form 1040EZ or free tax-calculating packages online. Especially when they are young and don't have many deductions or exemptions, the students should not have to pay anyone to prepare their taxes.
3. Ask the students to imagine that they have just agreed to start working at a part-time job, 15 hours per week, at $\$ 10$ per hour. Ask: How much will that first week's paycheck be? (Some students might fall for your trick question and say that the first paycheck will be $\$ 150$. Explain that $\$ 150$ is not correct.)
4. Explain that the amount of money that appears on an employee's paycheck is not the total amount of money the employee earned. Several deductions are taken out of paychecks. Many of these deductions are for taxes. That is how Uncle Sam takes his biggest bite.
5. Give each student a copy of Exercise 7.1 from the Student Workbook. Ask the students to read the exercise and answer the questions. Discuss the answers.
a. What is gross pay? (Gross pay is the total amount of money an employee earns before any deductions are made).
b. What is net pay? (Net pay is the amount left after all deductions for taxes and benefits payments are taken out of the gross pay. Net pay is sometimes called take-home pay.)
c. Is the amount of money shown on your paycheck equal to the total number of hours worked times your rate of pay? (No. Mandatory deductions for taxes and benefits payments are taken out of your paycheck.)
d. Name at least three mandatory deductions that are taken out of gross pay. (The deductions include federal income tax, state income tax, Social Security tax, Medicare tax, local income tax.)
e. Name three other deductions. (Other deductions may include life insurance, disability insurance, medical insurance, dental
insurance, retirement savings plan, and contributions to charity.)
6. Give each student a copy of Exercise 7.2 from the Student Workbook. Emphasize the point that not all of our income is taxed at the same rate. The highest rate at which we are taxed is our marginal tax rate. This rate is the rate at which each additional dollar earned is taxed. People sometimes refer to the "tax bracket" they are in; this term refers to their marginal tax rate.
7. In Exercise 7.2, refer the students to the table, What's Your Bracket? Ask: What is the marginal tax rate for someone with a taxable income of $\$ 33,000$ ? ( $\mathbf{2 5}$ percent.) Remind the students that the marginal tax rate applies to the last dollar of earnings.
8. Ask the students to read Exercise $\mathbf{7 . 2}$ and answer the questions at the end. Discuss the answers.
a. What is Mike's marginal tax rate? (15 percent.) What does this mean? (The marginal tax rate is the highest rate at which your income is taxed. It is the rate at which each additional dollar of income earned is taxed. Note that not all of one's income is taxed at this rate.)
b. How much does Mike save in taxes by paying for his health insurance with pre-tax dollars?
(\$270, calculated as $\$ 1,800 \times 0.15$.)
c. What is Mike's taxable income? $(\mathbf{\$ 1 8 , 2 5 0})$
d. How much does Mike save in taxes by using pre-tax dollars to save for retirement and pay for his health insurance? (\$420)
e. What are some things Mike could do with his tax savings? (Answers will vary. Mike might save more for retirement, pay off debt, travel, buy clothing, etc.)
f. How much tax was owed on the first \$5,000 of gross income? (\$0. Remind students that the first $\$ 8,950$ of income is not taxed.)
g. Compare Mike's gross income to Ann's gross income. What do you notice? (They are the same.)
h. Compare Mike's taxable income to Ann's taxable income. What do you notice? (Mike's taxable income is lower than Ann's.) Explain. (The use of pre-tax dollars to pay for retirement contributions and health insurance has reduced Mike's taxable income. Ann does not receive this tax benefit since she did not use any pre-tax dollars to reduce her taxable income.)
9. Display Visual 7.1. Go over some of the key information shown on the W-2 form. Explain that employers require their workers to determine the number of allowances that can be claimed in determining how much of an employee's earnings are to be withheld for taxes. These allowances are claimed on a
claimed for the next tax year. Employees can do this by checking with their employer's human resources specialist. For many people, it is a reasonable goal to have the amount of tax owed be equal to the amount that is being withheld. In this way, taxpayers don't have to pay additional taxes, nor are they having too much money withheld from their earnings.
10. In going over Visual 7.1, note that boxes 2 and 17 (the amount of federal and state income tax withheld) will be determined from the allowances declared as well as the employee's income. The amount withheld for Social Security is 6.2 percent of income earned $\mathbf{( \$ 2 4 , 0 5 0 ~} \mathbf{x}$ 0.062 = \$1491.10) and the amount withheld for Medicare is 1.45 percent of income earned $\mathbf{( \$ 2 4 , 0 5 0 \times 0 . 0 1 4 5} \mathbf{=} \mathbf{\$ 3 4 8 . 7 3}$ ). These percentages for Social Security and Medicare taxes are determined by federal law.

|  | Mike's Taxable Income | Ann's Taxable Income |
| :--- | ---: | ---: |
| Gross income | $\$ 30,000$ | $\$ 30,000$ |
| Less personal exemption | $\$ 3,500$ | $\$ 3,500$ |
| Less standard deduction | $\$ 5,450$ | $\$ 5,450$ |
| Less 401(k) contribution | $\$ 1,000$ |  |
| Less health insurance premium | $\$ 1,800$ | $\$ 21,050$ |
| Taxable income | $\$ 18,250$ | $\$ 0$ |
| Total tax savings | $\$ 150+\$ 270=\$ 420$ |  |

special form (Form W-4, Employee's Withholding Allowance Certificate) that is provided by the employer; the employee is restricted in how many allowances he or she may claim. Whenever an employee experiences key life events (such as marriage or the birth of a child), he or she should consider changing the number of allowances claimed. When more allowances are claimed, less money is withheld from the worker's paycheck, and net pay will be greater. If too few allowances are claimed, the worker may discover that a large share of taxes withheld from his or her pay checks will be returned later in the form of a tax refund. In this case, the worker may want to adjust the allowances
11. Display Visual 7.2. Explain how to complete Form 1040EZ, using Nicole's Form W-2 and a tax table. Demonstrate how to read a tax table, using Visual 7.3. As you work through this visual, ask the following questions:
a. What is Nicole's adjusted gross income? $(\$ 24,100)$
b. What is Nicole's taxable income? $\mathbf{( \$ 1 5 , 1 5 0 )}$
c. What accounts for the difference between these numbers? (\$8,950 is the amount Nicole can claim as a personal exemption and a standard deduction as a single filer. This amount reduces her tax liability.)
d. How much federal income tax was withheld from Nicole's paycheck? $(\$ 1,822)$
e. Where would Nicole get this information? (From her W-2 form.)
f. How much tax does Nicole owe for 2008? $(\$ 1,875)$
g. Where did she get this information? (By looking at the tax tables and finding the tax for a single filer whose taxable income was $\$ 15,150$.)
h. Was too much or too little withheld from Nicole's paycheck? (Too little.)
i. How much tax does Nicole still owe?
12. Give each student a copy of Exercise $\mathbf{7 . 3}$ from the Student Workbook. Ask the students to read the exercise and complete Jack's 1040EZ form. When they have done this, ask them to answer both sets of questions found in the exercise. Discuss the answers with the class. (Jack's completed tax form is found in Visual 7.4.)
a. What is the difference between Jack's weekly gross pay and his net pay? (\$77.79)
b. How many withholding allowances did Jack claim? (0)
c. What is Jack's marginal tax rate? (15 percent. Students may need help answering this question. You may wish to tell students to look at the tax table to see the additional tax to be withheld for another \$100 of earnings. Students can then calculate the additional tax owed for this additional $\$ 100$ earned. The additional tax owed-\$15—represents 15 percent of the additional \$100 earned, which represents a 15 percent marginal tax rate.)
d. Does Jack owe taxes or get a refund? (He gets a refund of \$442.)
e. How would you recommend that Jack change his withholding allowances for next year? (Answers will vary. The students should note that Jack could claim himself as an allowance and, therefore, have fewer taxes withheld from his paycheck. By claiming at
least one allowance, he will have higher net pay. This will, of course, mean that his tax refund will be smaller, but he can use his higher net pay in many ways-e.g., to increase his savings in an interest-bearing account or to pay down debt.)

## CLOSURE

Conclude the lesson by noting that many income tax forms are used in the United States. In general, the 1040EZ is the easiest federal income tax form to fill out. For many students-those who are entering the workforce permanently after graduating from high school or college and are not married, don't own a home, have no dependents, etc.-the 1040EZ federal income tax form will be the most appropriate to use. Explain to the students that as they grow older and buy houses, have children, have health care expenditures, pay property taxes, etc., they will probably have to fill out the more complicated 1040 form. While this form is more difficult to fill out (many students will seek help from tax professionals), it is nonetheless based on the same general principles of marginal taxation, tax withholding, etc., addressed in this lesson.

## ASSESSMENT

Have the students complete Exercise $\mathbf{7 . 4}$ from the Student Workbook. The completed form is shown on Visual 7.5. Here are suggested answers:
a. What is Jill's weekly gross pay? (\$400) What is her weekly net pay? (\$334.74)
b. Why is Jill's net pay different from Jack's when their gross pay is the same? (Jill selected one withholding allowance. This is indicated on her pay stub. Jack elected not to take the allowance he was permitted. This means that less tax was withheld from Jill's pay check.)
c. Does Jill owe taxes or get a refund? (Jill owes \$45.)
d. What would you recommend to Jill about adjusting her withholding allowances for next year? (She should probably keep the same level of withholding. Her taxes owed and the amount of tax collected were nearly equal. This allowed her to pay the amount owed easily; it also gave her full use of the portion of her income that was not needed for taxes.)

## EXTENSION

Ask the students to interview their parents, a relative, or an older friend about the income tax forms that they fill out. In the interviews, the students should ask whether the interviewees prepared their own tax forms in the last tax year. Did they get a refund? How many allowances did they claim? What forms did they use? What kind of deductions and credits did they claim? As appropriate, the students may report on their interviews in class or write up a brief description of the interviews as a homework exercise.

## nasan <br> 7.1

## Nicole's W-2 Wage and Tax Statement



## Nicole's Form 1040EZ



## VISUAL <br> 7.3

## Federal Tax Table for Form 1040EZ

| If Form 1040EZ, line 6 , is - |  | And you are- |  | If Form 1040EZ, line 6 , is - |  | And you are- |  | If Form 1040EZ, line 6, is - |  | And you are- |  | If Form 1040EZ, line 6 , is - |  | And you are- |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| At least | But less than | Single | Married filing jointly | At least | But <br> less <br> than | Single | Married filing jointly | At least | But less than | Single | Married filing jointly | At least | But less than | Single | Married filing jointly |
|  |  | Your tax is - |  |  |  | Your tax is- |  |  |  | Your tax is- |  |  |  | Your tax is - |  |
| 9,000 |  |  |  | 12,000 |  |  |  | 15,000 |  |  |  | 18,000 |  |  |  |
| $\begin{aligned} & \mathbf{9 , 0 0 0} \\ & 9,050 \\ & 9,100 \\ & \mathbf{9 , 1 5 0} \end{aligned}$ | $\begin{aligned} & \hline \mathbf{9 , 0 5 0} \\ & \mathbf{9 , 1 0 0} \\ & \mathbf{9 , 1 5 0} \\ & \mathbf{9 , 2 0 0} \end{aligned}$ | $\begin{aligned} & 953 \\ & 960 \\ & 968 \\ & 975 \end{aligned}$ | $\begin{aligned} & 903 \\ & 908 \\ & 913 \\ & 918 \end{aligned}$ | $\begin{aligned} & 12,000 \\ & 12,050 \\ & 12,100 \\ & 12,150 \end{aligned}$ | $\begin{aligned} & 12,050 \\ & 12,100 \\ & 12,150 \\ & 12,200 \end{aligned}$ | $\begin{aligned} & 1,403 \\ & 1,410 \\ & 1,418 \\ & 1,425 \end{aligned}$ | $\begin{aligned} & 1,203 \\ & 1,208 \\ & 1,213 \\ & 1,218 \end{aligned}$ | $\begin{aligned} & 15,000 \\ & 15,050 \\ & 15,100 \\ & 15,150 \end{aligned}$ | $\begin{aligned} & \hline 15,050 \\ & 15,100 \\ & 15,150 \\ & 15,200 \end{aligned}$ | 1,853 1,860 1,868 1,875 | $\begin{aligned} & 1,503 \\ & 1,508 \\ & 1,513 \\ & 1,518 \end{aligned}$ | $\begin{aligned} & 18,000 \\ & 18,050 \\ & 18,100 \\ & 18,150 \end{aligned}$ | $\begin{aligned} & 18,050 \\ & 18,100 \\ & 18,150 \\ & 18,200 \end{aligned}$ | $\begin{aligned} & 2,303 \\ & 2,310 \\ & 2,318 \\ & 2,325 \end{aligned}$ | $\begin{aligned} & 1,901 \\ & 1,909 \\ & 1,916 \\ & 1,924 \end{aligned}$ |
| $\begin{aligned} & \mathbf{9 , 2 0 0} \\ & 9,250 \\ & 9,300 \\ & 9,350 \end{aligned}$ | $\begin{aligned} & \mathbf{9 , 2 5 0} \\ & \mathbf{9 , 3 0 0} \\ & \mathbf{9 , 3 5 0} \\ & \mathbf{9 , 4 0 0} \end{aligned}$ | $\begin{array}{r} 983 \\ 990 \\ 998 \\ 1,005 \end{array}$ | $\begin{aligned} & 923 \\ & 928 \\ & 933 \\ & 938 \end{aligned}$ | $\begin{aligned} & 12,200 \\ & 12,250 \\ & 12,300 \\ & 12,350 \end{aligned}$ | $\begin{aligned} & 12,250 \\ & 12,300 \\ & 12,350 \\ & 12,400 \end{aligned}$ | $\begin{aligned} & 1,433 \\ & 1,440 \\ & 1,448 \\ & 1,455 \end{aligned}$ | $\begin{aligned} & 1,223 \\ & 1,228 \\ & 1,233 \\ & 1,238 \end{aligned}$ | $\begin{aligned} & 15,200 \\ & 15,250 \\ & 15,300 \\ & 15,350 \end{aligned}$ | $\begin{aligned} & 15,250 \\ & 15,300 \\ & 15,350 \\ & 15,400 \end{aligned}$ | $\begin{aligned} & 1,883 \\ & 1,890 \\ & 1,898 \\ & 1,905 \end{aligned}$ | $\begin{aligned} & 1,523 \\ & 1,528 \\ & 1,533 \\ & 1,538 \end{aligned}$ | $\begin{aligned} & 18,200 \\ & 18,250 \\ & 18,300 \\ & 18,350 \end{aligned}$ | $\begin{aligned} & 18,250 \\ & 18,300 \\ & 18,350 \\ & 18,400 \end{aligned}$ | $\begin{aligned} & 2,333 \\ & 2,340 \\ & 2,348 \\ & 2,355 \end{aligned}$ | $\begin{aligned} & 1,931 \\ & 1,939 \\ & 1,946 \\ & 1,954 \end{aligned}$ |
| $\begin{aligned} & \mathbf{9 , 4 0 0} \\ & \mathbf{9 , 4 5 0} \\ & \mathbf{9 , 5 0 0} \\ & \mathbf{9 , 5 5 0} \end{aligned}$ | $\begin{aligned} & \mathbf{9 , 4 5 0} \\ & \mathbf{9 , 5 0 0} \\ & \mathbf{9 , 5 5 0} \\ & \mathbf{9 , 6 0 0} \end{aligned}$ | $\begin{aligned} & 1,013 \\ & 1,020 \\ & 1,028 \\ & 1,035 \end{aligned}$ | $\begin{aligned} & 943 \\ & 948 \\ & 953 \\ & 958 \end{aligned}$ | $\begin{aligned} & 12,400 \\ & 12,450 \\ & 12,500 \\ & 12,550 \end{aligned}$ | $\begin{aligned} & 12,450 \\ & 12,500 \\ & 12,550 \\ & 12,600 \end{aligned}$ | $\begin{aligned} & 1,463 \\ & 1,470 \\ & 1,478 \\ & 1,485 \end{aligned}$ | $\begin{aligned} & 1,243 \\ & 1,248 \\ & 1,253 \\ & 1,258 \end{aligned}$ | $\begin{aligned} & 15,400 \\ & 15,450 \\ & 15,500 \\ & 15,550 \end{aligned}$ | $\begin{aligned} & 15,450 \\ & 15,500 \\ & 15,550 \\ & 15,600 \end{aligned}$ | $\begin{aligned} & 1,913 \\ & 1,920 \\ & 1,928 \\ & 1,935 \end{aligned}$ | $\begin{aligned} & 1,543 \\ & 1,548 \\ & 1,553 \\ & 1,558 \end{aligned}$ | $\begin{aligned} & 18,400 \\ & 18,450 \\ & 18,500 \\ & 18,550 \end{aligned}$ | $\begin{aligned} & 18,450 \\ & 18,500 \\ & 18,550 \\ & 18,600 \end{aligned}$ | $\begin{aligned} & 2,363 \\ & 2,370 \\ & 2,378 \\ & 2,385 \end{aligned}$ | $\begin{aligned} & 1,961 \\ & 1,969 \\ & 1,976 \\ & 1,984 \end{aligned}$ |
| $\begin{aligned} & 9,600 \\ & 9,650 \\ & 9,700 \\ & 9,750 \end{aligned}$ | $\begin{aligned} & \mathbf{9 , 6 5 0} \\ & \mathbf{9 , 7 0 0} \\ & \mathbf{9 , 7 5 0} \\ & \mathbf{9 , 8 0 0} \end{aligned}$ | $\begin{aligned} & 1,043 \\ & 1,050 \\ & 1,058 \\ & 1,065 \end{aligned}$ | $\begin{aligned} & 963 \\ & 968 \\ & 973 \\ & 978 \end{aligned}$ | $\begin{aligned} & 12,600 \\ & 12,650 \\ & 12,700 \\ & 12,750 \end{aligned}$ | $\begin{aligned} & 12,650 \\ & 12,700 \\ & 12,750 \\ & 12,800 \end{aligned}$ | $\begin{aligned} & 1,493 \\ & 1,500 \\ & 1,508 \\ & 1,515 \end{aligned}$ | 1,263 1,268 1,273 1,278 1 | $\begin{aligned} & 15,600 \\ & 15,650 \\ & 15,700 \\ & 15,750 \end{aligned}$ | $\begin{aligned} & 15,650 \\ & 15,700 \\ & 15,750 \\ & 15,800 \end{aligned}$ | $\begin{aligned} & 1,943 \\ & 1,950 \\ & 1,958 \\ & 1,965 \end{aligned}$ | $\begin{array}{r} 1,563 \\ 1,568 \\ 1,573 \\ 1,578 \end{array}$ | $\begin{aligned} & 18,600 \\ & 18,650 \\ & 18,700 \\ & 18,750 \end{aligned}$ | $\begin{aligned} & 18,650 \\ & 18,700 \\ & 18,750 \\ & 18,800 \end{aligned}$ | $\begin{aligned} & 2,393 \\ & 2,400 \\ & 2,408 \\ & 2,415 \end{aligned}$ | $\begin{aligned} & 1,991 \\ & 1,999 \\ & 2,006 \\ & 2,014 \end{aligned}$ |
| $\begin{aligned} & \mathbf{9 , 8 0 0} \\ & \mathbf{9 , 8 5 0} \\ & 9,900 \\ & 9,950 \end{aligned}$ | $\begin{array}{r} 9,850 \\ 9,900 \\ 9,950 \\ 10,000 \end{array}$ | $\begin{aligned} & 1,073 \\ & 1,080 \\ & 1,088 \\ & 1,095 \end{aligned}$ | $\begin{aligned} & 983 \\ & 988 \\ & 993 \\ & 998 \end{aligned}$ | $\begin{aligned} & 12,800 \\ & 12,850 \\ & 12,900 \\ & 12,950 \end{aligned}$ | $\begin{aligned} & 12,850 \\ & 12,900 \\ & 12,950 \\ & 13,000 \end{aligned}$ | $\begin{aligned} & 1,523 \\ & 1,530 \\ & 1,538 \\ & 1,545 \end{aligned}$ | $\begin{aligned} & 1,283 \\ & 1,288 \\ & 1,293 \\ & 1,298 \end{aligned}$ | $\begin{aligned} & 15,800 \\ & 15,850 \\ & 15,900 \\ & 15,950 \end{aligned}$ | $\begin{aligned} & 15,850 \\ & 15,900 \\ & 15,950 \\ & 16,000 \end{aligned}$ | $\begin{aligned} & 1,973 \\ & 1,980 \\ & 1,988 \\ & 1,995 \end{aligned}$ | $\begin{aligned} & 1,583 \\ & 1,588 \\ & 1,593 \\ & 1,598 \end{aligned}$ | $\begin{aligned} & 18,800 \\ & 18,850 \\ & 18,900 \\ & 18,950 \end{aligned}$ | $\begin{aligned} & 18,850 \\ & 18,900 \\ & 18,950 \\ & 19,000 \end{aligned}$ | $\begin{aligned} & 2,423 \\ & 2,430 \\ & 2,438 \\ & 2,445 \end{aligned}$ | $\begin{aligned} & 2,021 \\ & 2,029 \\ & 2,036 \\ & 2,044 \end{aligned}$ |
| 10,000 |  |  |  | 13,000 |  |  |  | 16,000 |  |  |  | 19,000 |  |  |  |
| $\begin{aligned} & 10,000 \\ & 10,050 \\ & 10,100 \\ & 10,150 \end{aligned}$ | $\begin{aligned} & 10,050 \\ & 10,100 \\ & 10,150 \\ & 10,200 \end{aligned}$ | $\begin{aligned} & 1,103 \\ & 1,110 \\ & 1,118 \\ & 1,125 \end{aligned}$ | $\begin{aligned} & 1,003 \\ & 1,008 \\ & 1,013 \\ & 1,018 \end{aligned}$ | $\begin{aligned} & 13,000 \\ & 13,050 \\ & 13,100 \\ & 13,150 \end{aligned}$ | $\begin{aligned} & 13,050 \\ & 13,100 \\ & 13,150 \\ & 13,200 \end{aligned}$ | $\begin{aligned} & 1,553 \\ & 1,560 \\ & 1,568 \\ & 1,575 \end{aligned}$ | $\begin{aligned} & 1,303 \\ & 1,308 \\ & 1,313 \\ & 1,318 \end{aligned}$ | $\begin{aligned} & 16,000 \\ & 16,050 \\ & 16,100 \\ & 16,150 \end{aligned}$ | $\begin{aligned} & 16,050 \\ & 16,100 \\ & 16,150 \\ & 16,200 \end{aligned}$ | $\begin{aligned} & 2,003 \\ & 2,010 \\ & 2,018 \\ & 2,025 \end{aligned}$ | $\begin{aligned} & 1,603 \\ & 1,609 \\ & 1,616 \\ & 1,624 \end{aligned}$ | $\begin{aligned} & 19,000 \\ & 19,050 \\ & 19,100 \\ & 19,150 \end{aligned}$ | $\begin{aligned} & 19,050 \\ & 19,100 \\ & 19,150 \\ & 19,200 \end{aligned}$ | $\begin{aligned} & 2,453 \\ & 2,460 \\ & 2,468 \\ & 2,475 \end{aligned}$ | $\begin{aligned} & 2,051 \\ & 2,059 \\ & 2,066 \\ & 2,074 \end{aligned}$ |
| $\begin{aligned} & 10,200 \\ & 10,250 \\ & 10,300 \\ & 10,350 \end{aligned}$ | $\begin{aligned} & 10,250 \\ & 10,300 \\ & 10,350 \\ & 10,400 \end{aligned}$ | $\begin{aligned} & 1,133 \\ & 1,140 \\ & 1,148 \\ & 1,155 \end{aligned}$ | $\begin{aligned} & 1,023 \\ & 1,028 \\ & 1,033 \\ & 1,038 \end{aligned}$ | $\begin{aligned} & 13,200 \\ & 13,250 \\ & 13,300 \\ & 13,350 \end{aligned}$ | $\begin{aligned} & 13,250 \\ & 13,300 \\ & 13,350 \\ & 13,400 \end{aligned}$ | $\begin{aligned} & 1,583 \\ & 1,590 \\ & 1,598 \\ & 1,605 \end{aligned}$ | $\begin{aligned} & 1,323 \\ & 1,328 \\ & 1,333 \\ & 1,338 \end{aligned}$ | $\begin{aligned} & 16,200 \\ & 16,250 \\ & 16,300 \\ & 16,350 \end{aligned}$ | $\begin{aligned} & 16,250 \\ & 16,300 \\ & 16,350 \\ & 16,400 \end{aligned}$ | $\begin{aligned} & 2,033 \\ & 2,040 \\ & 2,048 \\ & 2,055 \end{aligned}$ | $\begin{aligned} & 1,631 \\ & 1,639 \\ & 1,646 \\ & 1,654 \end{aligned}$ | $\begin{aligned} & 19,200 \\ & 19,250 \\ & 19,300 \\ & 19,350 \end{aligned}$ | $\begin{aligned} & 19,250 \\ & 19,300 \\ & 19,350 \\ & 19,400 \end{aligned}$ | $\begin{aligned} & 2,483 \\ & 2,490 \\ & 2,498 \\ & 2,505 \end{aligned}$ | $\begin{aligned} & 2,081 \\ & 2,089 \\ & 2,096 \\ & 2,104 \end{aligned}$ |
| $\begin{aligned} & 10,400 \\ & 10,450 \\ & 10,500 \\ & 10,550 \end{aligned}$ | $\begin{aligned} & 10,450 \\ & 10,500 \\ & 10,550 \\ & 10,600 \end{aligned}$ | $\begin{aligned} & 1,163 \\ & 1,170 \\ & 1,178 \\ & 1,185 \end{aligned}$ | $\begin{aligned} & 1,043 \\ & 1,048 \\ & 1,053 \\ & 1,058 \end{aligned}$ | $\begin{aligned} & 13,400 \\ & 13,450 \\ & 13,500 \\ & 13,550 \end{aligned}$ | $\begin{aligned} & 13,450 \\ & 13,500 \\ & 13,550 \\ & 13,600 \end{aligned}$ | $\begin{aligned} & 1,613 \\ & 1,620 \\ & 1,628 \\ & 1,635 \end{aligned}$ | 1,343 1,348 1,353 1,358 | $\begin{aligned} & 16,400 \\ & 16,450 \\ & 16,500 \\ & 16,550 \end{aligned}$ | $\begin{aligned} & 16,450 \\ & 16,500 \\ & 16,550 \\ & 16,600 \end{aligned}$ | $\begin{aligned} & 2,063 \\ & 2,070 \\ & 2,078 \\ & 2,085 \end{aligned}$ | $\begin{aligned} & 1,661 \\ & 1,669 \\ & 1,676 \\ & 1,684 \end{aligned}$ | $\begin{aligned} & 19,400 \\ & 19,450 \\ & 19,500 \\ & 19,550 \end{aligned}$ | $\begin{aligned} & 19,450 \\ & 19,500 \\ & 19,550 \\ & 19,600 \end{aligned}$ | $\begin{aligned} & 2,513 \\ & 2,520 \\ & 2,528 \\ & 2,535 \end{aligned}$ | $\begin{aligned} & 2,111 \\ & 2,119 \\ & 2,126 \\ & 2,134 \end{aligned}$ |
| $\begin{aligned} & 10,600 \\ & 10,650 \\ & 10,700 \\ & 10,750 \end{aligned}$ | $\begin{aligned} & 10,650 \\ & 10,700 \\ & 10,750 \\ & 10,800 \end{aligned}$ | $\begin{aligned} & 1,193 \\ & 1,200 \\ & 1,208 \\ & 1,215 \end{aligned}$ | $\begin{aligned} & 1,063 \\ & 1,068 \\ & 1,073 \\ & 1,078 \end{aligned}$ | $\begin{aligned} & 13,600 \\ & 13,650 \\ & 13,700 \\ & 13,750 \end{aligned}$ | $\begin{aligned} & 13,650 \\ & 13,700 \\ & 13,750 \\ & 13,800 \end{aligned}$ | $\begin{aligned} & 1,643 \\ & 1,650 \\ & 1,658 \\ & 1,665 \end{aligned}$ | $\begin{aligned} & 1,363 \\ & 1,368 \\ & 1,373 \\ & 1,378 \end{aligned}$ | $\begin{aligned} & 16,600 \\ & 16,650 \\ & 16,700 \\ & 16,750 \end{aligned}$ | $\begin{aligned} & 16,650 \\ & 16,700 \\ & 16,750 \\ & 16,800 \end{aligned}$ | $\begin{aligned} & 2,093 \\ & 2,100 \\ & 2,108 \\ & 2,115 \end{aligned}$ | $\begin{aligned} & 1,691 \\ & 1,699 \\ & 1,706 \\ & 1,714 \end{aligned}$ | $\begin{aligned} & 19,600 \\ & 19,650 \\ & 19,700 \\ & 19,750 \end{aligned}$ | $\begin{aligned} & 19,650 \\ & 19,700 \\ & 19,750 \\ & 19,800 \end{aligned}$ | $\begin{aligned} & 2,543 \\ & 2,550 \\ & 2,558 \\ & 2,565 \end{aligned}$ | $\begin{aligned} & 2,141 \\ & 2,149 \\ & 2,156 \\ & 2,164 \end{aligned}$ |
| $\begin{aligned} & 10,800 \\ & 10,850 \\ & 10,900 \\ & 10,950 \end{aligned}$ | $\begin{aligned} & 10,850 \\ & 10,900 \\ & 10,950 \\ & 11,000 \end{aligned}$ | 1,223 1,230 1,238 1,245 | 1,083 1,088 1,093 1,098 | $\begin{aligned} & 13,800 \\ & 13,850 \\ & 13,900 \\ & 13,950 \end{aligned}$ | $\begin{aligned} & 13,850 \\ & 13,900 \\ & 13,950 \\ & 14,000 \end{aligned}$ | $\begin{aligned} & 1,673 \\ & 1,680 \\ & 1,688 \\ & 1,695 \end{aligned}$ | 1,388 1,388 1,393 1,398 | $\begin{aligned} & 16,800 \\ & 16,850 \\ & 16,900 \\ & 16,950 \end{aligned}$ | $\begin{aligned} & 16,850 \\ & 16,900 \\ & 16,950 \\ & 17,000 \end{aligned}$ | 2,123 2,130 2,138 2,145 | 1,721 1,729 1,736 1,744 | $\begin{aligned} & 19,800 \\ & 19,850 \\ & 19,900 \\ & 19,950 \end{aligned}$ | $\begin{aligned} & 19,850 \\ & 19,900 \\ & 19,950 \\ & 20,000 \end{aligned}$ | $\begin{aligned} & 2,573 \\ & 2,580 \\ & 2,588 \\ & 2,595 \end{aligned}$ | 2,171 2,179 2,186 2,194 |
| 11,000 |  |  |  | 14,000 |  |  |  | 17,000 |  |  |  | 20,000 |  |  |  |
| $\begin{aligned} & 11,000 \\ & 11,050 \\ & 11,100 \\ & 11,150 \end{aligned}$ | $\begin{aligned} & 11,050 \\ & 11,100 \\ & 11,150 \\ & 11,200 \end{aligned}$ | $\begin{aligned} & 1,253 \\ & 1,260 \\ & 1,268 \\ & 1,275 \end{aligned}$ | $\begin{aligned} & 1,103 \\ & 1,108 \\ & 1,113 \\ & 1,118 \end{aligned}$ | $\begin{aligned} & 14,000 \\ & 14,050 \\ & 14,100 \\ & 14,150 \end{aligned}$ | $\begin{aligned} & 14,050 \\ & 14,100 \\ & 14,150 \\ & 14,200 \end{aligned}$ | $\begin{aligned} & 1,703 \\ & 1,710 \\ & 1,718 \\ & 1,725 \end{aligned}$ | $\begin{aligned} & 1,403 \\ & 1,408 \\ & 1,413 \\ & 1,418 \end{aligned}$ | $\begin{aligned} & 17,000 \\ & 17,050 \\ & 17,100 \\ & 17,150 \end{aligned}$ | $\begin{aligned} & 17,050 \\ & 17,100 \\ & 17,150 \\ & 17,200 \end{aligned}$ | $\begin{aligned} & 2,153 \\ & 2,160 \\ & 2,168 \\ & 2,175 \end{aligned}$ | $\begin{aligned} & 1,751 \\ & 1,759 \\ & 1,766 \\ & 1,774 \end{aligned}$ | $\begin{aligned} & 20,000 \\ & 20,050 \\ & 20,100 \\ & 20,150 \end{aligned}$ | $\begin{aligned} & \hline 20,050 \\ & 20,100 \\ & 20,150 \\ & 20,200 \end{aligned}$ | $\begin{aligned} & 2,603 \\ & 2,610 \\ & 2,618 \\ & 2,625 \end{aligned}$ | $\begin{aligned} & 2,201 \\ & 2,209 \\ & 2,216 \\ & 2,224 \end{aligned}$ |
| $\begin{aligned} & 11,200 \\ & 11,250 \\ & 11,300 \\ & 11,350 \end{aligned}$ | $\begin{aligned} & 11,250 \\ & 11,300 \\ & 11,350 \\ & 11,400 \end{aligned}$ | $\begin{aligned} & 1,283 \\ & 1,290 \\ & 1,298 \\ & 1,305 \end{aligned}$ | $\begin{aligned} & 1,123 \\ & 1,128 \\ & 1,133 \\ & 1,138 \end{aligned}$ | $\begin{aligned} & 14,200 \\ & 14,250 \\ & 14,300 \\ & 14,350 \end{aligned}$ | $\begin{aligned} & 14,250 \\ & 14,300 \\ & 14,350 \\ & 14,400 \end{aligned}$ | $\begin{aligned} & 1,733 \\ & 1,740 \\ & 1,748 \\ & 1,755 \end{aligned}$ | $\begin{aligned} & 1,423 \\ & 1,428 \\ & 1,433 \\ & 1,438 \end{aligned}$ | $\begin{aligned} & 17,200 \\ & 17,250 \\ & 17,300 \\ & 17,350 \end{aligned}$ | $\begin{aligned} & 17,250 \\ & 17,300 \\ & 17,350 \\ & 17,400 \end{aligned}$ | $\begin{aligned} & 2,183 \\ & 2,190 \\ & 2,198 \\ & 2,205 \end{aligned}$ | $\begin{aligned} & 1,781 \\ & 1,789 \\ & 1,796 \\ & 1,804 \end{aligned}$ | $\begin{aligned} & 20,200 \\ & 20,250 \\ & 20,300 \\ & 20,350 \end{aligned}$ | $\begin{aligned} & 20,250 \\ & 20,300 \\ & 20,350 \\ & 20,400 \end{aligned}$ | $\begin{aligned} & 2,633 \\ & 2,640 \\ & 2,648 \\ & 2,655 \end{aligned}$ | $\begin{aligned} & 2,231 \\ & 2,239 \\ & 2,246 \\ & 2,254 \end{aligned}$ |
| $\begin{aligned} & 11,400 \\ & 11,450 \\ & 11,500 \\ & 11,550 \end{aligned}$ | $\begin{aligned} & 11,450 \\ & 11,500 \\ & 11,550 \\ & 11,600 \end{aligned}$ | $\begin{aligned} & 1,313 \\ & 1,320 \\ & 1,328 \\ & 1,335 \end{aligned}$ | $\begin{aligned} & 1,143 \\ & 1,148 \\ & 1,153 \\ & 1,158 \end{aligned}$ | $\begin{aligned} & 14,400 \\ & 14,450 \\ & 14,500 \\ & 14,550 \end{aligned}$ | $\begin{aligned} & 14,450 \\ & 14,500 \\ & 14,550 \\ & 14,600 \end{aligned}$ | $\begin{aligned} & 1,763 \\ & 1,770 \\ & 1,778 \\ & 1,785 \end{aligned}$ | $\begin{aligned} & 1,443 \\ & 1,448 \\ & 1,453 \\ & 1,458 \end{aligned}$ | $\begin{aligned} & 17,400 \\ & 17,450 \\ & 17,500 \\ & 17,550 \end{aligned}$ | $\begin{aligned} & 17,450 \\ & 17,500 \\ & 17,550 \\ & 17,600 \end{aligned}$ | $\begin{aligned} & 2,213 \\ & 2,220 \\ & 2,228 \\ & 2,235 \end{aligned}$ | $\begin{aligned} & 1,811 \\ & 1,819 \\ & 1,826 \\ & 1,834 \end{aligned}$ | $\begin{aligned} & 20,400 \\ & 20,450 \\ & 20,500 \\ & 20,550 \end{aligned}$ | $\begin{aligned} & 20,450 \\ & 20,500 \\ & 20,550 \\ & 20,600 \end{aligned}$ | $\begin{aligned} & 2,663 \\ & 2,670 \\ & 2,678 \\ & 2,685 \end{aligned}$ | $\begin{aligned} & 2,261 \\ & 2,269 \\ & 2,276 \\ & 2,284 \end{aligned}$ |
| 11,600 11,650 11,700 11,750 | 11,650 11,700 11,750 11,800 | 1,343 1,350 1,358 1,365 | 1,163 1,168 1,173 1,178 | 14,600 14,650 14,700 14,750 | 14,650 14,700 14,750 14,800 | $\begin{aligned} & 1,793 \\ & 1,800 \\ & 1,808 \\ & 1,815 \end{aligned}$ | 1,463 1,468 1,473 1,478 | 17,600 17,650 17,700 17,750 | $\begin{aligned} & 17,650 \\ & 17,700 \\ & 17,750 \\ & 17,800 \end{aligned}$ | 2,243 2,250 2,258 2,265 | $\begin{aligned} & 1,841 \\ & 1,849 \\ & 1,856 \\ & 1,864 \end{aligned}$ | $\begin{aligned} & 20,600 \\ & 20,650 \\ & 20,700 \\ & 20,750 \end{aligned}$ | $\begin{aligned} & 20,650 \\ & 20,700 \\ & 20,750 \\ & 20,800 \end{aligned}$ | 2,693 2,700 2,708 2,715 | 2,291 2,299 2,306 2,314 |
| $\begin{aligned} & 11,800 \\ & 11,850 \\ & 11,900 \\ & 11,950 \end{aligned}$ | $\begin{aligned} & 11,850 \\ & 11,900 \\ & 11,950 \\ & 12,000 \end{aligned}$ | $\begin{aligned} & 1,373 \\ & 1,380 \\ & 1,388 \\ & 1,395 \end{aligned}$ | $\begin{aligned} & 1,183 \\ & 1,188 \\ & 1,193 \\ & 1,198 \end{aligned}$ | $\begin{aligned} & 14,800 \\ & 14,850 \\ & 14,900 \\ & 14,950 \end{aligned}$ | $\begin{aligned} & 14,850 \\ & 14,900 \\ & 14,950 \\ & 15,000 \end{aligned}$ | $\begin{aligned} & 1,823 \\ & 1,830 \\ & 1,838 \\ & 1,845 \end{aligned}$ | $\begin{aligned} & 1,483 \\ & 1,488 \\ & 1,493 \\ & 1,498 \end{aligned}$ | $\begin{aligned} & 17,800 \\ & 17,850 \\ & 17,900 \\ & 17,950 \end{aligned}$ | $\begin{aligned} & 17,850 \\ & 17,900 \\ & 17,950 \\ & 18,000 \end{aligned}$ | $\begin{aligned} & 2,273 \\ & 2,280 \\ & 2,288 \\ & 2,295 \end{aligned}$ | $\begin{aligned} & 1,871 \\ & 1,879 \\ & 1,886 \\ & 1,894 \end{aligned}$ | $\begin{aligned} & 20,800 \\ & 20,850 \\ & 20,900 \\ & 20,950 \end{aligned}$ | $\begin{aligned} & 20,850 \\ & 20,900 \\ & 20,950 \\ & 21,000 \end{aligned}$ | $\begin{aligned} & 2,723 \\ & 2,730 \\ & 2,738 \\ & 2,745 \end{aligned}$ | 2,321 2,329 2,336 2,344 |

## Jack's Completed Form 1040EZ Answers to Exercise 7.3



## Jill's Completed Form 1040EZ Answers to Exercise 7.4



