

**EXTRA PRACTICE 23**  
**Solving Problems Involving Percents**  
**Use after Sections 6.3 - 6.6**

Name \_\_\_\_\_

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Solve.

1. A person's taxable income is \$18,500 one year. Federal income tax is 15% of that income. How much would that person pay for federal income tax? \_\_\_\_\_
2. A baseball player has a batting average of 0.296, or 29.6%. The player has been at bat 135 times. How many hits did he have? \_\_\_\_\_
3. A real estate agent receives a \$3850 commission on the sale of a \$55,000 home. What was her rate of commission? \_\_\_\_\_
4. The risk of developing the most dangerous form of skin cancer has increased 900% since 1930. There were 130 cases of this skin cancer in 1930. How many cases are expected now? \_\_\_\_\_
5. After making a payment, a person is left with a credit card balance of \$315. How much interest will be charged on that amount next month if the interest rate is 1.5% per month? Round to the nearest cent. \_\_\_\_\_
6. A package of hamburger meat is 70% lean meat. What percent is fat? \_\_\_\_\_
7. A purchase of \$44.00 has a sales tax of \$2.31. What is the sales tax rate? \_\_\_\_\_
8. Calcium carbonate is 40% calcium. A person takes 500 mg of calcium carbonate as a diet supplement. How much actual calcium does the person receive? \_\_\_\_\_
9. A pair of jeans that regularly costs \$26 is on sale at 40% off. What is the sale price?  
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10. It is estimated that 12.5% of workers in the United States use a computer in their job. If 15 million workers use a computer, how many workers are there in total? \_\_\_\_\_
11. A school system is required to cut its budget by 2%. Its current budget is \$135 million. What will be its new budget? \_\_\_\_\_
12. The current recommended daily allowance (U.S. RDA) of vitamin C is 60 mg. A person takes 360 mg of vitamin C. What percent of the RDA is the person getting? \_\_\_\_\_