

## Percent: Solving Advanced Word Problems—Practice

1. A \$488 TV is advertised in the newspaper at 15% off for next week's sale. What will be the price of the TV on sale?
2. South State Loan lent Gino \$792 for a year and 9 months. They charged him 9% annual interest. How much will he repay?
3. By paying cash, Phillip got a stereo for his new apartment for \$720. The set sold regularly for \$800. What percent did he save?
4. Hazel has been dieting. She now weighs 135 pounds. This is 90% of her weight last Christmas. How much did she weigh at Christmas?
5. Bill paid 15% more this year for rent than he did last year. Last year he paid \$2,280 for rent. How much rent did he pay this year?
6. Real Sell Estate charges a commission of 7% on the sale of houses. Real Sell sold Mr. And Mrs. North's house for \$42,000. After Real Sell took their commission, how much did the Norths get from the sale? (This is called *net proceeds*.)
7. American InterTel expects 25% more losses this year than last. Last year the company lost \$84,000. How much do they expect to lose this year?
8. Good Buy Used Cars adds 40% to car prices for their profit. If they buy a used car for \$4,200, what will be their asking price for the car?
9. Pablo earns \$250 a week selling window awnings. He is paid on commission. He gets 20% commission on everything he sells. How much does Pablo have to sell each week to earn \$250?
10. Carla Simpson bought a car at a yearend clearance for \$5,600. The car was reduced 12½% from the original sticker price. What was the original price?
11. Phil bought a camera for \$124. He sold it one year later at a 30% loss. For how much did Phil sell his camera?
12. On a math test with 40 problems, Alex got 12 problems wrong. What percent of the problems did he get right?
13. Susan left \$1,200 in her savings account at 5% annual interest for nine months. How much did she have in the account at the end of nine months?
14. Jack has paid \$2,700 on a loan. This amount is 60% of the total loan. Find the total amount that Jack borrowed.

15. Fred borrowed \$5,000 at 12% annual interest for 2 years and 6 months. How much interest did Fred pay on his loan?
16. In 1970 the population of Central City was 24,000. In 1980 the population was 28,800. By what percent did the population of Central City increase?
17. At last Thursday's meeting of the Kendall Projects Tenants' Association, 156 people were present. They are 65% of the total membership. How many people belong to the association?
18. Franz pays \$175 a month for rent. His rent is 25% of his monthly income. What is Franz's monthly income?
19. Janice hoped to drive 400 miles to her parents' home before sundown. However, at sundown she had driven only 304 miles. What percent of the distance did she have left to drive?
20. Joan bought a rocking chair for \$115. The tax in her state is 8%. What was the cost of the chair including tax?
21. In January Maureen weighed 152 pounds. By June she weighed 133 pounds. What percent of her weight did she lose?
22. The Uptown Community Organization has collected \$2,624 to install new street lights in their neighborhood. That money is 80% of the total they need. Find the total amount the organization needs for the project.
23. Mr. Johnson manages a grocery store. He pays \$.50 for a quart of milk. He charges his customers \$.56 for the milk. Find the percent of markup that Mr. Johnson charges.
24. When Jackie started night school there were 30 people in her class. By the end of the term, 20% of the students had dropped out. How many students were in the class at the end of the term?
25. Sally works in an office 260 days in a year. Last year she was absent from work 13 times. What percent of the time was Sally absent last year?

## Answer Key

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|--------------|--------------|
| 1. \$414.80  | 14. \$4,500  |
| 2. \$916.74  | 15. \$1,500  |
| 3. 10%       | 16. 20%      |
| 4. 150 lbs.  | 17. 240      |
| 5. \$2,622   | 18. \$700    |
| 6. \$39,060  | 19. 24%      |
| 7. \$105,000 | 20. \$124.20 |
| 8. \$5,880   | 21. 12½%     |
| 9. \$1,250   | 22. \$3,280  |
| 10. \$6,400  | 23. 12%      |
| 11. \$86.80  | 24. 24       |
| 12. 70%      | 25. 5%       |
| 13. \$1,245  |              |