

Name: _____ Date: _____ Period: _____

Write each percent as a decimal and each decimal as a percent

1. 35%
2. 150%
3. 3.15
4. 0.875

Write each percent as a fraction or mixed number in lowest terms and each fraction as a percent.

5. 37.5%
6. $\frac{5}{8}$
7. $3\frac{1}{4}$

Find the part

8. 60% of 1450 reference books
9. 0.6% of 5200 acres

Find the whole

10. 348 test tubes is 15% of what number of test tubes?
11. 677.6 miles is 140% of what number of miles?

Find the percent

12. 649 tulips is what percent of 1180 tulips?
13. What percent of 650 soup cans is 200 soup cans?

Solve the application problem

14. Scientist tell us that there are 9600 species of birds and that 1000 of these species are in danger of extinction. What percent of the birds are in danger?
15. Annie has an employee discount of 15%, and she wants to purchase a sweater that is \$48.90, how much does she pay?
16. Rhode Island has sales tax of 7%. Your friend buys an engagement ring for \$5420, how much will he give the cashier?

Chapter 6 Review Exercises

Find the missing component

17. 155% of 120 trucks is how many trucks?
18. 0.128 ounce is what percent of 32 ounces?
19. \$92 is 16% of what number?

Find the amount missing

| Amount of Sale | Tax Rate | Amount of Tax | Total Cost |
|----------------|----------|---------------|------------|
| 20. \$630 | 5% | _____ | _____ |
| 21. \$780 | _____ | \$58.50 | _____ |

| Sales | Rate of Commission | Commission |
|--------------|--------------------|------------|
| 22. \$65,300 | _____ | \$3265 |

| Original Price | Rate of Discount | Amount of Discount | Sale Price |
|----------------|------------------|--------------------|------------|
| 23. \$112.50 | 30% | _____ | _____ |

Use Simple Interest to find the missing value

| Principal | Rate | Time in Years | Interest |
|------------|------|----------------|----------|
| 24. \$1080 | 5% | $1\frac{1}{4}$ | _____ |

| Principal | Rate | Time in Months | Interest |
|------------|------------------|----------------|----------|
| 25. \$1560 | $6\frac{1}{2}\%$ | 18 | _____ |

| Principal | Rate | Time | Amount Due |
|------------|------|----------|------------|
| 26. \$1530 | 6% | 9 months | _____ |

Use Compound Interest to find the missing value (either method)

| Principal | Rate | Time in Years | Compound Amount | Interest |
|--------------|------------------|---------------|-----------------|----------|
| 27. \$12,500 | $5\frac{1}{2}\%$ | 5 | _____ | _____ |