7A - Exercises - Chapter 6

Lesson 6.1 Practice

Using the Percent Proportion

Use the percent proportion to solve each problem.

1. 43.2 is what percent of 48?



3. 85 is 80% of what number?



5. What is 16% of 36?



Lesson 6.3 Practice

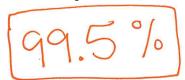
Use the percent equation to solve each problem. 7. Find 76% of 25.



9. 36 is 9% is what number?



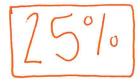
11. 2,089.5 is what percent 2,100?



2. What is 80% of 840?



4. What percent of 22 is 55?



6. 4.5 Is 90% of what number?



Using the Percent Equation

8. 256 is what percent of 800?



10. Find 26% of 505.



12. 576 is 90% of what number?



7A - Exercises - Chapter 6

Lesson 6.4 Practice

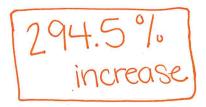
Percent of Change

Find the percent of change. Round to the nearest tenth if necessary. Then state whether the percent of change is an *increase* or *decrease*.

13. From 22 inches to 16 inches



15. From 55 people to 217 people



Find the percent of error.

17. Actual cost \$83/meter, estimated cost: \$75/meter



14. From 8 years to 10 years



16. From 45 miles per gallon to 24 miles per gallon



18. Projected time: 45 minutes. Actual time: 80 minutes



Lesson 6.5 Practice

Discount and Markup

Find the selling price for each item given the cost and the percent of the markup or discount.

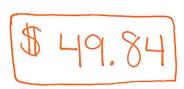
19. Guitar: \$500; 60% discount



21. Lamp: \$24; 18% markup



20. MP3 player: \$28; 78% markup



22. Jeans: \$26; 5% discount



7A - Exercises - Chapter 6

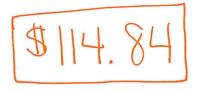
Lesson 6.6 Practice

Simple and Compound Interest

Find the simple interest to the nearest cent. 23. \$300 at 8% for 4 years



25. \$1,225 at 6.25% for 18 months



Find the compound interest to the nearest cent. **27.** \$2,825 at 4.75% for 2 years



29. \$530 at 5.5% for 5 years



24. \$1500 at 7.5% for 3 years



26. \$900 at 12% for 60 months



28. \$695 at 6.5% for 3 years



30. \$950 at 6.8% for 2 years

