

Chapter 6 Practice Test

Date _____ Period _____

Solve each problem. Round each answer to the nearest tenth or tenth of a percent

- 1) What is 96% of 5 tons?
- 2) \$81 is what percent of \$117?
- 3) 350% of what is 98 hours?
- 4) What percent of 138 grams is 112 grams?
- 5) 350% of what is 94 minutes?
- 6) 35 minutes is 38% of what?

Find each percent change. Round to the nearest tenth of a percent.

- 7) A town's population was 6,588 ten years ago, but this past year was only 5,538. Calculate the percent change in the town's population.
- 8) Last week, your savings account had \$1,026 in it, but after you got paid from your job tutoring math students, it now has \$1,893 in it. Calculate the percent change in your savings account.
- 9) A glacier measures 2,422 square miles in area. In the year 1995, it measured 4,646 square miles in area. Calculate the percent change in the glacier's area.
- 10) A stock price that was \$137.7 per share a year ago has changed to to \$245.9 per share today. Calculate the percent change in the stock's price per share.

For each problem below, estimate the answer. Do the math mentally -- do not use a calculator.

- 11) What is 34.3% of 8,916?
- 12) What is 9.8% of 279?
- 13) What is 40.32% of 9,916?
- 14) What is 126% of 79,906?

Convert each number below into a percent and convert each percent below into a number.

15) 567.1%

16) 0.0338

17) 0.922

18) 0.54%

19) 1.2

20) 0.07%

21) 64.3%

22) 11

Calculate each answer below. If necessary, round your answer to the nearest penny.

23) A skateboard that normally costs \$95 is on sale for 20% off. What is its sale price?

24) You earn \$8.50 per hour at your job. Your boss calls you into her office with some good news! You have been given a 4% raise. What is your new hourly salary going to be?

25) An employee's weekly salary is \$512.30. If she pays 28% of her salary in taxes, what will her take-home pay be per week?

26) You want to buy a new laptop computer, and find one for \$475. If sales tax is 8%, what will you pay for the laptop?