

Name _____

Date _____

Review of Percents

Directions: Use a proportion or equation to solve the following. SHOW ALL WORK.

Problem	Work
1) Kayla's school supply items totaled \$124. She had to pay 6% tax. How much tax did Kayla pay?	
2) Ryan buys a pair of pants that were priced at \$95. There is 8.725% sales tax. How much will pants cost him?	
3) Niko went to buy a book that he saw for \$ 20. When he got to the store, it was marked \$60. What is the percent of change?	
4) Jessica bought a necklace for \$ 1,000. It is worth \$ 4,000. What is the percent of change?	
5) The restaurant bill is \$78. If you leave a 22% tip. How much will the tip be?	

6) James hired a guide for \$ 100.

James wants to tip the guide 10%. How much will James have to spend?

7) In Bobby's English class, 70% of the students completed an essay by the due date. There are 30 students in Bobby's English class. How many completed the essay by the due date?

8) Josh wants to practice free-throws. He estimates the distance from the free-throw line to the hoop and marks it with chalk. Josh's estimate was 10.5 feet. The actual distance should be 12 feet. Find the percent of error.

9) A store pays \$ 45 for a bicycle. The percent of markup is 35%. What is the selling price?

10) Mady buys a pair of pants that were originally priced \$60. She has a 30% off coupon. How much will the coupon *save* her?

<p>11) A \$700 mountain bike <i>is</i> discounted by 25%. Find the sales price of the bicycle.</p>	
<p>12) The regular price of a DVD is \$ 29. During a sale, the price of a DVD <i>is</i> marked down 30%. What will be the sale price of the DVD?</p>	
<p>13) Sammi went shopping and decided to purchase sunglasses for 15% <i>off</i> of the regular price of \$92. She had a coupon for an additional 20% <i>off</i>. How much did Sammi spend on the sunglasses?</p>	
<p>14) At a clearance sale, Kylilah bought a jacket that was marked down 30%. The regular price of the jacket was \$ 275. There was a 7.5% sale tax. How much did Kylilah pay for the jacket?</p>	
<p>15) Erin wants to tip 20% on a restaurant bill that <i>is</i> \$28. She knows that there <i>is</i> an 8.5% sale tax on food. What will be the total bill?</p>	

16) Mrs. Di Chiara wants to know how long it will take an investment of \$5,000 to earn \$550 in interest if the yearly interest rate is $7\frac{1}{2}\%$, paid at the end of each year.

17) Maya's parents gave her \$2,000 for her high school graduation. She put the money into a savings account that earned 3.5% annual interest. She left the money in the account for 2.5 years before she withdrew it. How much money was in the account at the end of the year and a half?

18) Antoinette receives a 12% commission on clothing she *sells*. Last month, she sold \$ 1,345 worth of clothing. How much did she earn in commission last month?

19) Aiden earns \$ 600 a week plus a commission. His commission rate is 9.75%. He sells \$35,000 in furniture. How much does he earn for the week?