

Proportional Reasoning, Sales Tax and Discount

Name: _____ Date: _____ Bell: _____

1. **SKATEBOARDS** Cindy wants to buy a skateboard but she does not know if she has enough money. The price of the skateboard is \$95 and the sales tax is 6%. What will be the *total cost* of the skateboard?

2. **CLASS TRIP** Students of a seventh grade class were surveyed to find out how much they would be willing to pay to go on a class trip. 40% of the students surveyed said they would pay \$21 to \$30. If there are 360 students in the seventh grade class, about how many would be willing to pay for a trip that cost \$21 to \$30?

3. **DINING** Jonas and Linda's restaurant bill comes to \$62.40. They are planning to tip the waiter 15% of their bill. How much money should they leave for a tip?

4. **HOUSING** In the Lynnhaven apartment complex, 42% of the apartments have one bedroom. If there are 84 one-bedroom apartments, what is the total number of apartments at Lnnhaven?

5. **LUNCH** A survey shows that 52% of middle school students buy school lunches. If a school district has 2,900 middle school students, about how many buy school lunches?

7. **COLLEGE** There are 500 students in eighth grade at CLMS. A survey shows that 64% of them are planning to attend college. How many CLMS students are planning to attend college?

8. **PRETZELS** The Spanish club sold hot pretzels as a fundraiser. The pretzels normally sold for \$2.50, but near the end of the day they wanted to sell as many as possible, so they reduced the price by 40%. What was the *sale price* for a pretzel at the end of the day?

9. **COMPUTERS** Andrea ordered a computer on the Internet. The computer cost \$962 plus $4\frac{1}{2}\%$ sales tax. What was the *total cost* Andrea paid for her computer?

10. **CELL PHONES** Justin is buying a cell phone that has a regular price of \$149. The cell phone is on sale for 25% off the regular price. What will be the *sale price*?

12. A soccer jersey that usually sells for \$35.00 is on sale for 30% off. Find the sale price. Then, add 4% tax to the sale price. What would the total cost be?

14. At a Chinese restaurant you order hot and sour soup for \$1.25 and beef with broccoli for \$7.25. Sales tax is 10%. What is the total of your bill including sales tax?