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**Percents Review**

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**Allen****Unit 10**

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**Round to the nearest hundredth if necessary.**

1. 25 is what percent of 8?
2. 15 is 39% of what number?
3. 27% of 47 is what number?
4. Mark gets 360 votes in an election and learns that this is 32% of the total vote. How many votes were cast?
5. You are on a boat that can hold 300 people. The captain announces that some people need to leave the boat because it is 115% of capacity. How many people need to get off of the boat?

**Calculate the final price/cost. Round to the nearest hundredth.**

6. New sunglasses: \$120, 20% discount

7. 2 Jazz tickets: \$90, sales tax: 6.5%
8. If you are buying a new pair of shoes with an original price of \$84, but you have a 15% off coupon, what would be your final price?
9. If your restaurant bill is \$23.00 and you leave an 16% tip, what would be your total bill?
10. If your restaurant bill is \$18.00 and you want to tip 15%, what would be the amount of the tip?
11. If your restaurant bill is \$18.00 and you leave a 20% tip, what would be your total bill?

**12.** If you go shopping, spend \$102.00, and tax is 6%, how much will you pay for tax?

**13.** Frankie is buying a new Lego set. The Lego set costs \$36, but Frankie has a 35% off coupon. How much will Frankie pay for the Lego set?

**14.** Your family is at Texas Roadhouse for dinner. Your dad tells you that the total is \$65.70 and asks you to calculate the total including the food and the tip. How much is the total if you are paying a 15% tip?

**15.** Alyssa is buying a new ski coat that costs \$125. The sales tax rate is 6.25%. Calculate the total that Alyssa will pay for the coat and sales tax.

**For problems 15-20, find the percent of change and tell if it increase or a decrease. Round to the nearest whole percent, if necessary.**

**16.** From 2 to 7

**17.** a. Original: 25  
b. New: 35

**18.** From \$11 to \$27

**19.** You are buying a TV that is usually \$1,400. It is on sale for \$1,000. Find the percent of change.

**20.** Susan had \$720 in her savings account last month. She now has \$212 left. What is the percent of decrease?