WORD PROBLEMS - PERCENTS of NUMBERS   *ANSWERS*

1. While looking in the local newspaper, Lance notices the exact same shirt on sale at two different department stores. Store A is selling the shirt for $32.99 and Store B is selling the shirt for 20% off the normal price of $42.00. Which store is cheaper and by how much?

   Store A: $32.99
   Store B: $42.00 - ($42.00 x 20%) = $33.60
   Store A is cheaper by $33.60 - $32.99
      = **$.61 cheaper**

2. Molly took a 50 question mathematics test this week. She answered 82% of the questions correctly. How many questions did she get right?

   82% of 50 = .82 x 50
      = **41 questions correct**

3. Tad makes $300.00 per week working at JoJo's Beef Palace. He donates 10% of his earnings to the local animal shelter. How much does he donate every week?

   10% of $300.00 = .10 x $300.00
                     = **$30.00 weekly donation**

4. Zella bought three hats at a 30% discount at Will's Hat Galore. Normally each hat sells for $12. How much did Zella pay for all three hats?

   30% of (12 x 3) = .30 x 36 = $10.80
   $36.00 - $10.80 = **$25.20 Total cost**

5. Scott's soccer team won 85% of their games this year. If they played 20 games, how many did they win?

   85% of 20 games = .85 x 20 = **17 games**

6. Randy and Nat went out to lunch. The food cost $40.00 not including tax or the tip. The tax rate is 7% and they want to leave a 15% tip. Both amounts are based on the cost of the food. What was the total charge for their lunch?

   7% of $40 = $2.80 and 15% of $40 = $6.00
   $40.00 + $2.80 + $6.00 = **$48.80**

7. Skip and Beth hiked up Mount Forest. It took Skip 8 hours to complete the hike. If it took Beth 25% longer than Skip, how long did it take her to complete the hike?

   25% of 8 hours = 2 hours more
   8 + 2 = **10 hours**

8. Every week Gloria deposits 20% of the money she earns working at Bojo's Guitar Center into her savings account. If she works 30 hours a week and makes $7.00 per hour, about how much does she deposit into her account?

   20% of (30 hours x $7.00) = .20 x $210.00
      = **$42.00**