**BLM 7.N.3.8: Percent Problems**

Complete the following percent problems.

1. You and your big brother Tristan go into business delivering flyers. As Tristan is the big brother, he agrees to deliver the flyers to 60% of the houses on the route. There are 198 houses on the route. To how many homes will each of you deliver flyers?
2. Walter and his friends Daniel and Brittany work in Willy’s Widget Factory. Last year, the sales of widgets were wonderful, so Willy has decided to reward all his employees with a 4% wage increase. Walter was earning $8.75 per hour, Daniel was earning $9.50 per hour, and Brittany was earning $10.25 per hour. What will their new hourly wages be?
3. Iluvit Middle School is pleased with its state-of-the-art school bus fleet. Each bus carries 40 passengers. This year, the buses transport 260 children to and from school. Next year, there will be a 5% increase in the number of students requiring bus transportation. Will Iluvit Middle School need to acquire another bus? Explain.
4. The landscape designers included 550 trees in the plan for Pleasing Park. Of the   
   550 trees, 35% are evergreens. How many of the trees are deciduous trees?
5. Delly has a part-time job at her uncle’s jewellery kiosk in the mall. He has agreed to pay Delly a commission of 10% of the sales she makes during the hours she works. Last month, she worked 12 hours and sold $995.00 worth of jewellery. Andrea works at the neighbourhood dollar store, and earns $9.00 per hour. She also worked   
   12 hours last month. Which of the two girls earned more money last month?
6. Mathias was excited about the fantastic deal he got on a new snowboard at the Snow’s Your Friend Specialty Ski Shop. The Wolverine Glider he bought was discounted 40% off the manufacturer’s suggested retail price of $200.00. You bought the same board at Fair Freddy’s Sporting Goods Store for $119.75. Who found the better deal?