Name: _____ Period: _____

Round to the nearest whole percent.

1. In Jan. Dylan worked a total of 35 hours. In Feb. he worked 45.5 hrs. What percentage did Dylan's work increase in Feb.?

2. As soon as a new car is purchased and driven away from the dealership, it begins to lose its value, or depreciate. Alonso bought a 1994 Plymouth Neon for $9559. One year later, the value of the car was $8500. What was the percent of decrease of the value of the car?

3. The enrollment at Harvest Hills was 680 students this year. Next year the enrollment is projected to be 520 students. What is the projected percent decrease?

4. The VHMS chess club has 15 members. Eight of the members are in 7th grade. What percent of the members are 7th graders?

5. Out of 567 7th graders at VHMS, 48% of them are currently taking a music class. How many 7th graders are taking a music class right now?

6. If a shirt that normally costs $20 is on sale for 20% off, what is the new price of the shirt?

7. You go to eat at Olive Garden and the meal costs $34.60. If you give your waiter a 15% tip, how much money total will you be spending?

8. A new toy at Toys R Us normally costs $30, but in preparation for the summer, the price has been marked up by 30%. What is the new price of the toy?

9. Last year Coby harvested 42 tomatoes from his backyard garden. This year, his harvest increased by 1/3. How many tomatoes did he harvest this year?

10. Jerry is taking care of a vacant lot in his neighborhood. There are approximately 64 thistle weeds in the lot. He decided to try a homemade weed killer his grandmother suggested. Five weeks later, the thistles have decreased by 5/8. Approximately how many thistles are in the vacant lot now?

11. Maria is learning to play golf. She has been working particularly hard on driving. Before lessons, her drives average 240 yards. After her first lesson, her drives increased by 25%. After her second lesson, they increased another 25%. How far are her average drives after two lessons?

12. Hannah is going to Kohl's where they are having a sale where everything is 40% off. She found a dress she likes that normally costs $62. If Hannah also has a 30% off coupon, how much will she pay for this dress before tax?

13. In an effort to make more money, McDonalds raised the price of their $1 ice cream cone by 10%. Then, because summer is coming up, they decided to decrease the new price by 3/11. How much will the cone cost during the summer?

14. It used to take Mr. Sackett 120 minutes to take care of his lawn; however, he recently purchased a new lawn mower that reduced his time by 20%. Yesterday, Mr. Sackett's wife asked him to add weeding the garden to his lawn mowing routine, and this increased yard-work time by 20%. How long does it take Mr. Sackett to take care of his lawn and garden now?

15. Marissa just invested $1000 in a savings account that has an interest rate of 4% a month. If she leaves the money in the account for 18 months, how much *interest* would she earn?

16. Challenge Question: Shopping at Smith's the other day, Mr. Sackett spent $42.75 total on his groceries (including tax). If sales tax is 6.5%, how much did Mr. Sackett spend <u>before</u> taxes?