4-1B Lesson Master

PROPERTIES Objective D

1. 45 is 30% of what number?

2. A digital camera costs $250 after a 15% discount. What was the original price of the camera?

3. To the nearest percent, 17 is what percent of 40?

4. 8 is what percent of 32?

5. To the nearest tenth, what number is 71% of 311?

6. 100 is what percent of 16?

7. If a pair of pants is $55 and they are 20% off,
   a. what percent do you pay?
   b. how much do the pants cost?

8. Susan goes out to lunch and gives a 20% tip. The tip is $6. How much was Susan’s meal?

9. 65 is 20% of what number?

10. To the nearest whole number, 37% of 1,715 is what number?

11. 10 is what percent of 200?

12. To the nearest hundredth, what number is 133% of 1,111.8?

13. Markie goes out to breakfast and the meal is $15. How much is the meal with a 15% tip?

14. To the nearest percent, 200 is what percent of 333?

15. To the nearest whole number, 113% of 211.8 is what number?
16. The estimated population of the United States in July 2006 was 298,444,215. The literacy rate is 99%. By these numbers, approximately how many people in the United States are illiterate? Round to the nearest ten-thousand.

17. According to the Center for Disease Control, the leading cause of death in the United States in 2004 was heart disease at 650,000 deaths. Approximately 27% of all deaths were caused by heart disease. Estimate the total number of deaths in the United States in 2004 to the nearest hundred-thousand.

18. Out of 4,214 early-admission applicants, 21% were admitted to Harvard. However, out of 18,582 regular-admission applicants, only 7% were admitted. How many students were admitted to Harvard?

19. The top movie of 2005 was *Star Wars: Revenge of the Sith*. A total of 59,324,583 tickets were sold for this film. This number was 4.3% of all tickets sold for movies in 2005. How many tickets were sold for movies in 2005? Give your answer in billions.

20. According to the 2006 annual Tooth Fairy poll from Securian Dental, the average Tooth Fairy gift increased from $1.78 in 2005 to $2.00 in 2006. Find the percent of increase, rounded to the nearest whole percent.

21. The tax rate on food in Illinois is 2%. Find the total cost of 6 loaves of bread that cost $3.19 each.

22. In Wisconsin, there is a tax of 5.5% on only certain food items, such as candy bars. Joann bought $25.89 worth of non-tax items and $3.99 worth of candy bars. What was her total cost?

23. Find the cost of a $52 sweater that has been discounted twice, first at 20% and then at 50%.