Name _____

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? _____

Name _____

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USES Objective J

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%.   _____