

Name _____

4-1B Lesson Master**Questions on SPUR Objectives**

See pages 245–249 for objectives.

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? _____

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4-1B**page 2****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%. _____