

Name \_\_\_\_\_

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

See pages 245–249 for objectives.

**PROPERTIES** Objective D

1. 82 is 40% of what number? \_\_\_\_\_
2. A computer costs \$1,200 after a 20% discount. What was its original price? \_\_\_\_\_
3. To the nearest percent, 11 is what percent of 70? \_\_\_\_\_
4. To the nearest tenth what number is 52% of 162? \_\_\_\_\_
5. 15 is what percent of 45? \_\_\_\_\_
6. 45 is what percent of 15? \_\_\_\_\_
7. What number is 20% of 205? \_\_\_\_\_
8. You go out to dinner and pay a 15% tip equal to \$4.50. How much did the meal cost? \_\_\_\_\_
9. To the nearest whole number, 23% of 578 is what number? \_\_\_\_\_

**USES** Objective J

10. In 2006, there were 299,400,000 Americans. If this number represented 4.58% of the world's population, how large was the world's population in 2006? \_\_\_\_\_
11. The "Spanish Flu" pandemic of 1918–1919 was among the greatest worldwide disasters. It is not known exactly how many people died, but estimates range from 50 million to 100 million people. If these numbers represent 2.5% and 5% of the world's 1918 population, how large was the world's population at that time? \_\_\_\_\_
12. Estimated receipts for the US government for fiscal year 2006 were \$2.2 trillion. About \$976.8 billion of this money came from individual income tax. What percent of the 2006 receipts came from individual income tax? \_\_\_\_\_
13. Oxygen accounts for approximately 23.113% of the mass of Earth's atmosphere. According to the National Center for Atmospheric Research, the total mass of the atmosphere is  $5.1480 \times 10^{18}$  kg. What is the total mass of the oxygen in the atmosphere? \_\_\_\_\_