Lesson 3 Homework Practice

Percents and Decimals

Express each percent as a decimal.

1. 29%	2. 63%	3. 4%	4. 9%
5. 48%	6. 16%	7. 10%	8. 32%

- 9. ENERGY The United States gets about 39% of its energy from petroleum. Write 39% as a decimal.
- 10. SCIENCE About 8% of the earth's crust is made up of aluminum. Write 8% as a decimal.

Express each decimal as a percent.

11. 0.45	12. 0.12	13. 0.68	14. 0.73	
15. 0.2	16. 0.7	17. 0.95	18. 0.46	

- 19. POPULATION In 2000, the number of people 65 years and older in Arizona was 0.13 of the total population. Write 0.13 as a percent.
- **20. GEOGRAPHY** About 0.41 of Hawaii's total area is water. What percent is equivalent to 0.41?

Replace each \bullet with <, >, or = to make a true sentence.

21. 26% ● 0.3	22. 0.9 ● 9%	23. 4.7 • 47%

24. ANALYZE TABLES A batting average is the ratio of hits to at bats. Batting averages are expressed as a decimal rounded to the nearest thousandth. Show two different ways of finding how much greater Derek Jeter's batting average was than Jorge Posada's batting average. Express as a percent.

New York Yankees, 2009 Batting Statistics				
Player	Batting Average			
Derek Jeter	0.334			
Alex Rodriguez	0.286			
Jorge Posada	0.285			
Hideki Matsui	0.274			