

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 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 \odot with $<$, $>$, or $=$ to make a true sentence.

21. 26% \odot 0.3 22. 0.9 \odot 9% 23. 4.7 \odot 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

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