

Percents and Decimals

Express each percent as a decimal.

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|--------|--------|--------|--------|
| 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.

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|----------|----------|----------|----------|
| 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 ● with <, >, or = to make a true sentence.

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|---------------|--------------|---------------|
| 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