**Homework Practice**

***Negative Exponents***

**Write each expression using a positive exponent.**

**1.**  **2.**  **3.**  **4.**

**Evaluate each expression.**

**5.**  **6.**  **7.**  **8.**

**Write each fraction as an expression using a negative exponent.**

**9.**  **10.**  **11.**  **12.**

**Simplify. Express using positive exponents.**

**13.**  **14. 15.**  **16.**

**17. ROADS** A state highway that is miles long runs parallel to a smaller country road that is miles long. How many times longer than the country road is the state highway? Write the answer as a number with a positive exponent.

**18. FUNDRAISERS** The hospital spent dollars on new medical equipment this year. Last year, they spent dollars. How many times more money did they spend last year than this year?

**19. MEASUREMENT** 1 milligram is equal to grams. Write this number using a positive exponent.

**20. DISTANCE** A long-distance runner runs miles one week and miles the next week. How many times farther did he run in the second week than in the first week?