Name _____ Class _____ Date _____

Proportions Word Problems II

1. If there are 3 basketballs for every 7 students at Elko, then how many students are there if the store room has 49 basketballs?

2. In the year 2000, there were 8.7 deaths per 1000 residents in the United States. If there were 281,421,906 residents in the U.S. during 2000, how many people died that year?

3. In a shipment of 400 parts, 14 are found to be defective. How many defective parts should be expected in a shipment of 1000?

4. A rainstorm produced a rainfall of 2 inches per hour. How many hours would it take to get a rainfall amount of one foot?

5. The chance of a woman getting breast cancer in her lifetime is 1 out of 8. At this rate, how many women in a classroom of 32 women would be expected to come down with breast cancer in her lifetime?

6. An employee working at an electronics store earned $3582 for working 3 months during the summer. What did the employee earn for the first two months?

7. Hurricane Katrina dropped about 14 inches of rain over a 48-hour period. How much rain is this per hour? (Round your answer to the nearest tenth.)

8. If a chain link fence costs $180 for 20 feet installed, how much would it cost to install 300 feet?

9. The scale on a map is 1 inch equals 5 feet. What is the distance between two points on the map that are 8 ½ inches apart on the map?

10. A $4 sales tax is charged for a $50 purchase. At this rate, what is the sales tax for a $1200 purchase?