Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_

Percent Error Practice

1. A student calculates the density of a rock to be 2.2 g/ml and the actual value is 2.7 g/ml. What is the student’s percent error?
2. A student determines the volume of a cubic crystal to be 7.6 cubic centimeters. The correct volume of the crystal is 7.5 cubic centimeters. Find the students percent error.
3. A student measures the volume of a piece of rock to be 25 grams and the accepted value is 19 grams. What is the percent error?
4. A student determined the volume of an object to be 8.6 cm. What was her percentage error if the correct volume of the object is 8.0 cm?
5. What would the percentage error be if a person predicted that there were 38 jelly beans in a container, but when they were counted, it was found that there were actually 40 beans in the bottle.
6. Samantha measured the volume of her soda before she drank it for her midmorning snack. She measured the volume of the 12 oz. bottle to be 14 oz. What is her percent error?
7. Clyde Clumsy was directed to weigh a 500 g mass on the balance. After diligently goofing off for ten minutes, he quickly weighed the object and reported 458 g. What is the percent error?
8. Henry Heavyfoot was just arrested for speeding by Officer O'Rourke for traveling 65 mph in a 55 mph zone. Henry claimed his speedometer said 55 mph not 65 mph. What is the speedometer’s percent error?

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_

Percent of Change Practice

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| 1. Mr. Havel bought a car for $2400 and sold it for $2700. What was the percent of profit for Mr. Havel in selling the car? | 2. In Union County, Florida, the 1990 census listed the population at 10,252. The 2000 census listed the population as 13,442. What percent increase is this to the nearest tenth of a percent? |
| 3. A Computer store buys a computer for $24 and sells it for $91.20. What is the percent of increase in the price? | 4. Coretta’s bowling average decreased from 158 to 133. What is the percent decrease to the nearest tenth of a percent? |
| 5. A manufacturing company with 450 employees begins a product line and must add 81 more employees. What is the percent of increase in the number of employees? | 6. Jim’s Gym had income of $20,350 last month. The total increased by $2000 this month. What was the percent increase to the nearest percent? |
| 7. Richard earns $2700 a month. He received a raise of $81 per month. What was the percent of change in his salary? | 8. Maria has 765 cards in her baseball collection. She sells 153 of the cards. What is the percent of decrease in the number of cards in the collection? |
| 9. Fernando scored 85 points on his first quiz of the quarter. He scored 94 points on the second quiz. What was the percent of change in his scores? | 10. Mr. Goodburger weighed 315 pounds. After dieting and exercising for 8 months, he weighs 207 pounds. What was the percent of change in his weight? |