

Name: _____ Date: _____

Percent Error Assignment

Directions: Calculate the percent error of the problems below. Round to the nearest tenth if necessary.

1) Brianna wanted to know the length of her bedroom wall so that she could buy some new furniture. She thought the length of the wall was 11 feet, but it was actually 12 feet. What was her percent error?

2) Knox planned to purchase a new pair of shoes for \$50, but the cost was actually \$35. What was his percent error?

3) Elyset planned to make treats for every student in her class. She thought there were 32 students, but there were actually 30. What was her percent error?

4) The odometer in Mr. Ramirez's car has not been working properly. It said he traveled 28 miles to work, but he knows the distance is exactly 20 miles. What is the percent error?

5) Mr. Cooper thought that 22 of his students would get an "A" on their last math test, but 27 did. What was his percent error?

6) Katy planned to purchase a new shirt for \$18, but it actually cost \$25. What was her percent error?

7) Samantha S. Sloppiness 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 was her percent error?

8) 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.

9) 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.

10) Elena's math class had 24 students yesterday. She miscounted the class total and recorded it as 20 students. What is Elena's percent error?