

Name: _____ Date: _____ Block: _____

Percent Error Quiz

1. Jessie estimates the weight of her cat to be 10 pounds. The actual weight of the cat is 13.75 pounds. Find the percent error.

2. Each week Mr. Jones goes to the grocery store. He estimates that he will spend \$120 when he goes to the grocery store this week. He actually spends \$94. Find the percent error.

3. Marcus estimates that 230 people will attend the choir concert. The actual total that attended was 300 people. Find the percent error.

4. Dennis wants to buy a card for his wife. He calculates the amount of the card as \$4.50. The actual price of the card \$4. What is Dennis's percent error?

5. Ms. Latimer's class had 24 students yesterday. She miscounted the class total and recorded it as 20 students. What is Ms. Latimer's percent error?

6. Hunter wants to purchase an umbrella for \$60. The actual price of the umbrella is \$50. What is Hunter's percent error?

7. Jillian thinks it will take 95 minutes to run 7 miles. She runs the distance in 80 minutes. What is Jillian's percent error?

Calculating Percent Change and Percent Error

Name: _____

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Show your work. Round to the nearest tenth of a percent.

1 Alexis had a cell phone that cost \$65. She recently bought a new phone that cost \$79. What was the percent increase in the prices of the phones?

2 Kevin bought a used guitar at a garage sale for \$150. He fixed it up and sold it for \$200. What was the percent increase?

3 Elle earned \$45 last month babysitting. This month she earned \$35. What is the percent decrease?

4 Ray predicted that he would score 16 points during the basketball game. He only scored 12 points. What was his percent error?

5 Ainsley thought there were 25 students in her math class, but there were actually 27 students. What is her percent error?

6 Trent told his friends it would take him 90 minutes to mow the lawn. It only took him 75 minutes. What is his percent error?