

Percent Error Word Problems

Round your answer to the nearest tenth.

- 1) Lucy thought the 3 pounds of onions she'd purchased earlier would be enough for the week. However, the family ended up requiring 4 pounds of onions that week. Calculate the percent error in Lucy's estimate.

- 2) Rudolph estimated he would spend \$25 on snacks and juices while at a cafe with his friends. He actually spent \$30. Calculate the percent error in Rudolph's estimate.

- 3) Harvard estimates that a book will be 10 inches long. Upon measuring the book, it is found to be 9 inches. Calculate the percent error in Harvard's estimate.

- 4) Suzanne placed an order for a package at an online store. The store estimated it would arrive in 5 days. However, the package arrived after 7 days. Calculate the percent error in the estimate.

- 5) Mr. Riley is driving to New York to meet his sister. He estimates the distance to be 110 miles. However, he reaches the destination in 91 miles. Find the percent error in Mr. Riley's estimate.

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Percent Error Word Problems

Round your answer to the nearest tenth.

- 1) Lucy thought the 3 pounds of onions she'd purchased earlier would be enough for the week. However, the family ended up requiring 4 pounds of onions that week. Calculate the percent error in Lucy's estimate.

25%

- 2) Rudolph estimated he would spend \$25 on snacks and juices while at a cafe with his friends. He actually spent \$30. Calculate the percent error in Rudolph's estimate.

21.4%

- 3) Harvard estimates that a book will be 10 inches long. Upon measuring the book, it was found to be 9 inches long. Calculate the percent error in Harvard's estimate.

10%

- 4) Suzanne placed an order for a package at an online store. The store estimated the package would arrive in 10 days. However, the package arrived after 16 days. Calculate the percent error in the estimate.

60%

- 5) Mr. Riley is driving to New York to meet his sister. He estimates the distance to be 110 miles. However, he reaches the destination in 91 miles. Find the percent error in Mr. Riley's estimate.

20.9%

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