

Percent Error | Word Problems

Read each problem and calculate the percent error. Round your answer to the nearest tenth.

- 1) Gabrielle calculated the volume of the cube as 125 cubic feet. The actual volume of the cube was 184 cubic feet. What was the percent error in Gabrielle's calculation?

- 2) Fiona uses a thermometer to measure the boiling point of methanol and finds it to be 70 degrees Celsius. But the actual boiling point is 64.7 degrees Celsius. What is Fiona's percent error?

- 3) Ken thought that the distance between his new home and work was 32 miles. Upon verifying it, he found the distance was 41.5 miles. Find Ken's percent error.

- 4) Yvonne is training for the marathon. She calculates to see whether she can cover 9 miles in 10 minutes. But she completes the distance in 8 minutes. What is the percent error in Yvonne's calculation?

- 5) Derek filled the pitcher with 8 fluid ounces of lemonade. What was the percent error if the actual measurement was 10 fluid ounces?
