

Percent Error Worksheet

Read each problem and calculate the percent error

1. The estimated population of a city was 750,000, but the actual population was 800,000. Calculate the percent error.

2. The temperature was predicted to be 25°C, but the actual temperature was 22°C. Calculate the percent error.

3. A student measured the length of a bookshelf as 150 cm, but the actual length is 160 cm. Find the percent error.

4. A scientist predicted a chemical reaction would yield 75 grams of a product, but the actual yield was 68 grams. Determine the percent error.

5. The speed limit on a highway is 60 mph , but a car was measured traveling at 65 mph. Find the percent error in the speed measurement.

Percent Error Worksheet

Answers

1. The estimated population of a city was 750,000, but the actual population was 800,000. Calculate the percent error.

6.25%

2. The temperature was predicted to be 25°C, but the actual temperature was 22°C. Calculate the percent error.

13.64%

3. A student measured the length of a bookshelf as 150 cm, but the actual length is 160 cm. Find the percent error.

6.25%

4. A scientist predicted a chemical reaction would yield 75 grams of a product, but the actual yield was 68 grams. Determine the percent error.

10.29%

5. The speed limit on a highway is 60 mph, but a car was measured traveling at 65 mph. Find the percent error in the speed measurement.

8.33%